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# DIAGNOSIS RELATED GROUPS AS INDICATORS OF NURSE STAFFING REQUIREMENTS

by

David E. Womack Captain, USAF, MSC

A Graduate Research Project
Submitted in Partial Fulfillment
of the Requirements
for the Degree of
Master of Health Care Administration

1 July 1985

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# PREFACE

The body of this work is divided into five chapters. Chapter Two,
Diagnosis Related Groups, and Chapter Three, Patient Classification Systems
and the Workload Management System, may be omitted by the informed reader
with no loss in continuity.

# EXECUTIVE SUMMARY

This study was accomplished to determine if Diagnosis Related Groups (DRG's) are indicators of nurse staffing requirements. A sample of discharge record abstracts was classified into DkG's and the amount of nursing time spent with those individual patients was determined using the extensively tested Workload Management System (WMS). The DRC relative weight used by Medicare to predict relative resource consumption and set reimbursement levels was correlated with the WMS patient acuity points which are a measure of time spent in direct nursing care. The correlation was extremely low ( $r^2 = .0165$ ) indicating the DRG weights do not predict nursing time spent with the patient. Therefore, DRG's can not be used in this manner as an indicator of nurse staffing requirements. This also infers hospitals reimbursed by DRG methodology are not being equitably compensated for nursing personnel costs.

Other findings indicate nursing time may be distributed normally per DRG. Although it was concluded that the variability of the acuity points was too great to be of practical use for daily intra-hospital allocation decisions; the mean points per DRG could be useful on a macro scale. Multi-hospital systems and health planners could benefit from these findings by using a methodology incorporating anticipated changes to the DRG case-mix.

# CHAPTER I

#### INTRODUCTION

# Background

Today's health care institutions are faced with multiple demands that are often contradictory in nature or mutually exclusive of one another. One of the most publicized conflicts of goals in modern hospitals is the need to contain costs and at the same time raise the quality of care. To accomplish both of these goals simultaneously, new methods of efficiently and effectively allocating resources are required.

An area in which these new methods need to be developed is the allocation of nursing manpower. Nursing is involved in both sides of the conflict of goals. Economically, the department of nursing is the largest consumer of human resources in hospitals. Since personnel cost generally account for 60% of most hospitals' budgets, it is important that the nursing staff be managed intensely and reduced where possible. In terms of quality of care, nurses spend more time with each patient than other health care personnel. It is the nurse who tends to the patients' needs on a rout we basis day and night. Both patients and physicians rank the nursing staff as the number one determinant of their satisfaction with the quality of hospital care. Sufficient manpower must be insured to render proper care to the patient phy ionally and spiritually. Thus it is important to keep staffing levels as high as needed.

How to provide the right nursing staff to the right nation at the right time without wasting resources, and thus achieve the two goals, has been the subject of much study in the past. Historically, management scientists have developed nurse staffing methods based on many averages. These methods usually consider the average patient census and the average time required for the average nurse to render care to the average patient. This is then averaged or projected over the course of an entire year. 6

Many problems arise when models based on averages are used. They do not account for seasonal or epidemiological variations. These methods may not be flexible or responsive to the needs of individual patients. The daily impact of specialized treatments required by today's high-tech medicine are not considered. These problems make comparisons from year to year very limited. When applied to multi-hospital systems that operate institutions in different geographical locations the problems become magnified. Variables such as patient demographics, disease patterns, nursing modalities, the hospital's mission and its policies all effect staffing. The result is for a great majority of the time individual nursing units have too little or too much staff. This effects both cost and quality, the two elements of the conflict.

In an attempt to rectify some of these problems, systems involving intra-hospital variable staffing have been developed in the last twenty years. These staffing systems are based on the intensity or amount of nursing care required by each patient. They allow hospitals to shift

nursing staff among nursing units to meet fluctuating demands. Most of these systems require a lengthy nursing analysis taking time away from patient care. <sup>12</sup> Each patient's nursing needs are assessed. Then each patient is assigned to an intensity category. The categories for each unit are summed and compared with other units. Staff is then allocated based on these requirements. These variable staffing methods are usually called patient classification systems, acuity of care, or intensity of care systems.

Most patient classification systems are paper intensive and expensive to implement. Another problem experienced is "acuity creep." Over time, nurses who classify patients tend to increase the acuity ratings for similar patients. Acuity creep is caused by the fact that the nurse who rates the patient has a vested interest in the staffing outcome. Thus the integrity and reliability of the system is compromised.

The future of patient classification systems, however, is promising. With the coming widespread use of diagnosis related groups (DRG's) these variable staffing systems have the potential to become more streamlined and reliable. Every hospital patient will be assigned a DRG upon admission by someone other than a nurse with a vested interest, such as a utilization review coordinator or DRG coordinator. 16

DRG's are a case-mix analysis system designed to measure the resources expected to be consumed by treating a patient with certain clinically significant characteristics. 17 DRG's do not necessarily recognize

differences in the level and intensity of services provided to patients. 18

In this system there are twenty-three major diagnostic categories which are further divided into 470 groups. 19 The groups are based on diagnosis, age, sex, procedures, comorbidities and condition at discharge. 20 Originally developed for effective utilization review, 21 Medicare and other third party payors now use DRG's to prospectively determine reimbursement rates.

Medicare reimbursement rates were developed from a relative weighting scale that is intended to reflect the relative resource consumption associated with each DRG. The scale was jeveloped from a large study of 1981 Medicare cost reports and hospital charges for non-Medicare patients in Maryland and Michigan. (Currently the Health Care Financing Administration is considering revising this scale.) A value of one is used to represent the average patient charge; therefore a weight of two means the charge for that DRG is twice that of the average of all DRG's.

If this DRG weighting scale or case complexity index (CCI) is an indicator of nursing time requirements, then DRG's could be used to classify each patient. Once a DRG is assigned to a patient the CCI would replace the nursing analysis and the accumulation of acuity points. Thus the allocation process would be greatly simplified and much more objective. The nurse would be relieved of this administrative duty and would be allowed to spend the time saved in bedside nursing.

In multi-hospital systems, nurse manpower requirements could be prospectively allocated to individual facilities based on historical DRG

case mix and anticipated changes in demographics, policies, marketing directions and missions that would effect the DRG case mix. This researcher has developed an equation to represent this concept (See Figure 1). The frequency of each DRG in the case mix would be evaluated and adjusted for any anticipated changes. The frequency of each DRG would then be multiplied by its CCI yielding a figure representative of the nursing care required to treat each grouping. All of these figures would be summed giving a total requirement for the facilities case mix. This requirement should then be divided by a productivty figure stated in terms of the CCI.

Requirements = Sum of [(Each CCI X (Frequency of DRG + AC)]

Nursing Productivity per unit of CCI

NOTE: AC = anticipate changes

Conceptual Equation

Figure 1.

To advocate allocating nursing manpower based on DRG's it must be determined if DRG's are indicators of nurse staffing requirements. For a sample of DRG's, this study compares the case complexity index with the patient acuity points derived from an extensively tested patient classification system, the Workload Management System (WMS). No studies were found that compared the WMS or any other patient classification system with the LRG case complexity index. One recent publication, however, suggested such a study be accomplished. 24

If `hese two scales exhibit an acceptable level of correlation, DRG's could be useful. Multi-hospital systems and individual institutions could then use DRG's to allocate nursing staff and take a step toward balancing cost and quality.

# Research Statement

This study was accomplished to determine if diagnosis related groups (DRG's) are indicators of nurse staffing requirements.

# Objectives

- 1. Nursing units to participate in the study were selected.
- 2. The nursing staff of the selected units were taught to use the WMS.
- 3. The nursing staff classified all patients admitted to the selected units for a thirty day period.
- 4. An abstract of all inpatient records of patients discharged from the selected units during the thirty day period was developed.
- 5. The patients were grouped into DRG's from the abstracts.
- 6. The sixteen most frequently observed DRG's were identified.
- 7. The case complexity index (CCI) for each identified DRG were determined.
- Q Using the Workload Management System (WMS), the mean patient acuity points for each identified DRG was determined.
- 9. The correlation of the two scales (7. & 8. above) was calculated.
- 10. Conclusions were drawn and recommendations made based on the results.

# Criteria

DRG's were to be considered indicators of nurse staffing requirements if the following criteria was met: The two scales were to be positively correlated with an r value  $\geq$  .80 (or  $r^2 \geq$  .64).

# Assumptions

- 1. Since staffing was not allocated by this system during the study, acuity creep was not a factor.
- 2. The Workload Management System is a valid method to determine nurse staffing requirements.  $^{23,56}$
- 3. The mix of DRG's per impatient facility does not significantly change over time unless acted upon by an outside force.
- 4. "DRG creep" $^{25}$  was not a factor since the study hospital was not using any type of DRG system.

#### Limitations

l. This study was conducted at Wilford Hall USAF Medical Center (WHMC) which is quite different from most hospitals in terms of size and mission.

Nursing policies and procedures may therefore differ, and specific nursing

time measurements required for each DRG may not be entirely applicable to other medical facilities.

- 2. WHMC does not use DRG's; therefore nursing time and treatment protocols are not managed per DRG and may not be as standardized as in other facilities. This may alter the results of this study in other hospitals. However a truer measure of requirements may have been obtained. This is because WHMC is free of any bias, such as strict adherance to length of stay norms, that may be caused by DRG's.
- 3. The small sample size in terms of number of cases per DRG (see Table 5.), may have in acted on the statistical findings of this study. The sample may not have been representative of WHMC's DRG case mix; however the intent of the study was not to describe or model the case mix, or determine the effects of case mix on WHMC nurse staffing.
- 4. The CCI widely used by the Health Care Financing Administration (HCFA) and in this study was computed prior to Medicare's use of DRG's. Few hospitals were managing by DRG's and today's actual costs per DRG may differ from those when the CCI was developed. Consequently, if the HCFA were to develop a CC1 from more current data, the results of this study would need to be replicated.
- 5. Statistical analysis reported under the heading of Other Findings in Chapter Four was limited to the capabilities of the computer program used, MICROSTAT. Specifically, when applying a Chi-square Goodness of Fit test,

all observations are forced into six groupings thereby limiting the degrees of freedom to five. For this study, this researcher considered this acceptable. The confidence level for this test is set at 95% and is unchangeable. These statistical limitations were noted by the researcher. Specific methodology and reasoning behind these program limitations were not contained in the program's literature.

# Methodology

- 1. The nursing units to be studied were selected by the nursing research staff. It was done in a manner to make the results as generalizable as possible. Specifically, the units were selected so that no one clinical service or DRG major diagnostic category would constitute the majority of the sample. The units were to have medical, surgical and pediatric patients so a broad range of DRG's would be included.
- 2. A nurse and an alternate on each selected unit were trained on the use of the WMS by the nursing research staff. The trained nurses accomplished a patient acuity worksheet (Appendix A) on each patient admitted to their unit. These worksheets were collected and analyzed by the nursing research staff for proper use of the system for two weeks prior to the study. The unit nurses did not know this data would not be used in the study.

(Note: Steps one and two were not accomplished specifically for this study. They were a portion of an Air Force evaluation of the WMS.<sup>27</sup>)

- 3. Patient acuity worksheets on each patient admitted and discharged from the study units were collected by the researcher over a thirty day period.
- 4. An abstract of the inpatient records of all discharged patients from the selected nursing units was developed (Appendix B). Only patients who spent their hospital stay on one of the selected units and whose stay began and ended within the thirty day period were included in the study. This insured the inclusion of fluctuating acuity that may occur over the length of a hospital stay (LOS). The thirty day period may have prevented some patients with abnormally long LOS's from being included in the study. If this happened, those not included were probably very unusual or teaching cases. From observations of the data, if any patients were excluded because of abnormally long LOS's there were very few. This researcher believes this had no significant impact on the study since the daily average of PAP's was used and not total PAP's per case (see 8. below).
- 5. The abstracts in the study group were coded into DRG's by the researcher.
- 6. The most frequently observed DRG's (in terms of the number of cases) were determined. DRG's with less than four cases represented were not considered in the study.
- 7. The CCI for each represented DRG was determined.

- 8. The patient acuity worksheets for each patient in the study group were sorted by DRG. The patient acuity points (PAP's) for each DRG were totalled and averaged by patient days. This yielded the mean PAP per patient day for each DRG.
- 9. The two scales were tested for correlation and weighed against the criteria.
- 10. Findings were analyzad and recommendations made from the observations of the data. Future research needs were identified.

#### CHAPTER II

# DIAGNOSIS RELATED GROUPS (DRG's)

# History

Traditionally hospitals and other service institutions have had trouble defining their product. What is the output of a medical institution? Can it be defined in terms of the outcome of the process? Is it an episode of illness that is appropriately cared for? In the past hospitals have addressed this question by using aggregate statistics such as patient days, and numbers of admissions and discharges. Some define their product as a general category of services offered such as acute care, psychiatric care, or diagnostic services. Still others describe it by the population served, such as indigent care and military medicine. 29

With little agreement concerning the output of medical care, there is no common measure that can be used to determine efficiency, costs, revenues, or profits per unit. These figures have usually been compared relative to inpatient days or outpatient visits. A significant problem with these measures is they do not recognize differences in individual patients. It was to adjust for this disparity, and thus provide a basis for effective utilization review that the development of DRG's began in the early 1970's at Yale University. 31

A DRG is a means of classifying parients in terms of expected consumption by him or her of hospital resources. A DRG is not an explicit measure of hospital or patient cost. Rather, it is a method of identifying patients who have similar resource consumption patterns and of classifying those patients into a manageable number of groups. 32

The DRG system was developed based on early classification efforts of the late 1960's and a large data base consisting of 702,000 inpatient record abstracts, from 169 institutions in different geographical regions. First, a group of clinicians classified the eighth edition of the International Classification of Diseases Adapted (ICDA-8) codes into broad categories such as diseases of the circulatory system and diseases of the ear. These categories were termed major diagnostic categories (MDC's). Three criteria were used in the development of the MDC's:

- l. MDC's were to be consistent in terms of anatomical/physiopathologic classification or in the manner they are clinically managed.
  - 2. Each MDC was to have a sufficient sample sample size.
- 3. MDC's were to be mutually exclusive of one another and exhaustive over the entire range of disease codes.

Next, patient records were assigned to the MDC's based on the primary diagnosis contained in the abstract. Using AUTOGRP, an interactive computer system developed at Yale, the clinicians then partitioned the MDC's into medically meaningful groups based on length of stay (LOS). 33 Thus the researchers used LOS as the dependent variable as a surrogate for resource consumption. 4 The independent variables used were primary diagnosis, primary surgical procedure, age, condition at discharge and whether or not psychiatric services were provided. This effort yielded 383 terminal categories or DRG's. 35

The groupings have since been updated using the 9th edition of the International Classification of Diseases with Clinical Modifications (ICD-9-CM) resulting in 23 MDC's and 467 DRG's. This revision included data from 1.4 million patient abstracts from across the nation and over 334,900 from New Jersey. The Health Care Financing Administration (HCFA) added three groups for reimbursement purposes; DRG's 468 - 470 are Unrelated Surgical Procedures, Invalid Discharge Diagnosis and Ungroupable respectively. 37

# Uses of DRG's

Some authors claim DRG's have the ability to satisfy the disparate requirements for a product definition of clinicians, hospital managers, third party payors and health planners. 38 DRG's have been in widespread use since HCFA began using DRG's to prospectively establish Medicare reimbursement rates in 1983. This lends more weight to the argument for using DRG's as a common denominator or measure of output.

The poter ial uses of DRG's include quality assurance (QA) activities, utilization review, and health planning as well as reimbursement. Establishment of explicit QA screening criteria by DRG could greatly aid hospitals in their efforts to meet requirements for objective criteria based QA programs as required by the Joint Commission on the Accreditation of Hospitals (JCAH). These criteria for review could include such items as abnormal LOS's, unexpected complications, unexpected surgical procedures, and unusual resource consumption patterns per DRG. 40

Managers could develop resource consumption profiles by DRG for effective utilization review. This would enable them to measure practice patterns of health providers and specific hospital services. When compared with revenue received from the treatment of that DRG, the profitability of individual providers and services can be determined. This would aid in efforts to insure resources are not over or under utilized.

Comprehensive health planning and institutional strategic planning could also use DRG's to monitor trends in populations and in different geographical areas. By describing health products in terms of DRG's that measure resource consumption, allocation techniques could be refined and be based on anticipate changes in the DRG case mix. Thus high-cost resources could be targeted more effectively, and services could be provided where needed.

The reader should be aware that the optimism surrounding the use of DRG's is not shared by all authors in the literature. Some disagree with the proxy measure of LOS for resource consumption. Others are concerned with a reported inability of DRG's to measure severity of illness, 42, 43 and with the homogeneity of the groupings. There is considerable concern for the possibility of abuse through "DRG Creep," (altering DRG designations for increased reimbursement), and a reduced quality of care due to early discharge.

Although current evidence is not conclusive on these concerns, DRG's are widely used and are becoming an increasingly important common measurement methodology in American health care. Both opponents and proponents agree that DRG's will need to be refined as standards of medical care change to maintain any measure of validity. 46

#### CHAPTER III

# PATIENT CLASSIFICATION SYSTEMS & THE WORKLOAD MANAGEMENT SYSTEM (WMS)

# Patient Classification Systems

A patient classification system, or patient acuity system, can be defined as "the systematic identification and assessment of the individualized nursing care requirements of a group of patients." And in Nursing departments have developed these classification systems in response to a variety of needs, including the economic and quality considerations discussed in the introduction to this study.

There is also a regulatory basis for patient classification systems. Standard VIII of the American Nurses' Association (ANA) states, "Nursing Administration shall detail guidelines for utilization of nursing personnel." Guideline C of the same standard refines the requirement; "Nursing Administration assigns categories of personnel to matching levels of competence in relation to consumer care needs." The JCAH in its Accreditation Manual states, "Nursing department/service assignments in the provision of nursing care shall be commensurate with the qualifications of nursing personnel and shall be designed to meet the nursing needs of the patients." The manual further requires nursing departments to, "...define, implement, and maintain a system for determining patient requirements for nursing care on the basis of demonstrated patient needs, appropriate nursing intervention, and priority for care." Some

individual states also require the development of staffing systems in their laws and regulations concerning hospitals.  $^{52}$  Patient classification systems are generally regarded as a method to fulfil these requirements.  $^{53}$ 

Classification systems can be categorized into one of three basic styles according to Lewis.  $^{54}$  These are the descriptive style, the checklist type and the relative value unit (RVU) standard.

- 1. The descriptive style is a concise narrative approach in which the nurse places the patient into a category that best describes the level of care the patient needs. An objective assessment of specific nursing tasks or patient needs is not performed. While this is quick and easy this system is highly subjective and not very reliable between raters.
- 2. The checklist type of system divides nursing care into activity groups such as eating, grooming and excretion. Acuity levels are then assigned to each activity based on the judgement of the rater. The acuity levels are tallied and the patient is assigned to a category based on this total. Systems of this type are generally implemented based on subjective judgements concerning acuity and nurse time requirements. Time and motion studies are not usually done and inter-rater reliability is a problem.
- 3. Relative value unit (RVU) systems usually employ a number of activities and aspects of patient care. Each receives a value unit, usually a measure of time. These units are then totalled per patient and each patient is placed into a category. Staffing is then determined by using

tables relating numbers of patients in specific categories with required nursing staff. RVU systems vary greatly in complexity. Many are based on elaborate management engineering studies and provide numerous checks and balances to insure high inter-rater reliability and the prevention of acuity creep. The WMS is such a system.

It has been suggested that patient classification systems should meet five criteria to be effective as an allocation tool of nurse staffing. 55

The U.S. Army and U.S. Navy medical departments have determined the WMS meets these criteria. 56

The Air Force Medical Service is currently evaluating the WMS for use in its hospital system. 57

The criteria are:

- 1. Comprehensiveness: The system should classify all impatients according to levels of nursing intensity and determine the amount of nursing time required to care for these patients. The system should account for both direct and indirect care.
- 2. Data Output: The system should produce a series of daily and monthly reports that are useful in the daily operation of the hospital and management of nursing resources. The reports should be timely and should provide information on actual patient days, actual nurse staffing and nurse workload by patient category, by shift, by nursing unit and by personnel category.
- 3. Data Input: The same definitions of patient categories should be used throughout the hospital.

- 4. Validity: The system should measure what it reports to measure.
- 5. Reliability: Reliability between those classifying patients must be maintained over time.

# The Workload Management System (WMS)

The WMS was developed and tested through four years of rigorous field research and is often cited as the most comprehensive patient classification study accomplished to date. The WMS is based on a time and motion study that measured over 300 separate nursing activities. These were grouped into nine critical indicators: Vital signs, Monitoring, Activities of Daily Living, Feeding, IV Therapy, Treatments/Procedures/ Medications, Respiratory Therapy, Teaching and Emotional Support and an additive for Continuous Coverage. These nine indicators are further divided into ninety-one separate activities. 59

Each patient is evaluated against the ninety-one activities and assigned a point value for each. One point equals seven and one-half minutes of nursing time. The points are totalled by patient yielding the nursing care requirement for each patient per day. The accumulated points place the patient in a category. The categories are summed per nursing unit and compared to tables indicating the required staff by professional level.

#### CHAPTER IV

# STUDY DISCUSSION

# Description of the Sample

Six hundred ninety-two patients were tracked on ten nursing units during the study. Of these, 151 met the criteria specified in methodology steps 4. and 5. and were therefore considered in the final sample. The majority of the 541 patients not considered were eliminated because they were not grouped into a DRG with more than four cases. The second most frequent reason for elimination from the sample was transfer to a nursing unit not in the study. A few patients were not included because their hospital stay ended after the thirty day study period and others were excluded because of missing data.

No one clinical service or DRG major diagnostic category (MDC) constituted a majority of the sample of 692 or the sample of 151. Most clinical services and twenty-two of twenty-three MDC's were represented by the 692 patients. Ten services and six MDC's were present in the final sample of 151. Only one surgical service was in the final sample. Other surgical services were eliminated because of the small number of cases with surgeons recorded as the primary attending provider. See Tables 1, 2 and 3.

After the initial two week period of WMS implementation it was determined the trained nurses were properly using the system. Information

concerning this determination is extensively documented elsewhere.  $^{6\,\mathrm{U}}$ 

In the sample of 151 there were sixteen DRG's with four or more patients represented. he DRG's are listed in Table 4. The characteristics of the sample patients are detailed by DRG in Table 5 below. Nothing unusual was noted about these patient characteristics other than a wide range in the length of stay for certain DRG's. This variation occurred with DRG's in which one would expect to find little standardization of treatment. Examples are DRG's 17 and 138, nonspecific cerebrovascular disorders and arrythmia with complications. The ranges of groups with more specific and less complicated diagnoses tended to be smaller. These include DRG 278, cellulitis and DRG 391, normal newborns.

WHMC Unit Designation	Description
1 A	Pediatrics
2 D	Intensive Care
2 E	Nursery
2ENICU	Neonatal Intensive Care
3C	Cardiology
3D	Coronary Care
5A	Surgical #1
5B	Surgical #2
6A	Medical #1
6 B	Medical #2

Nursing Units Represented in the Study

Table 1.

Clinical Service*	# of Cases	% of Sample
Internal Medicine	27	15
Cardiology	39	27
Dermatology	2	1
Medical Intensive Care	6	4
Fulmonary Service	1	<1
Infectious Diseases	4	3
Cardiovascular Surgery	3	2
Renal Service	1	<1
Pediatrics	2	1
Nursery	66	45

151

Table 2.

<sup>\*</sup> The clinical service shown is that of the primary attending physician.

Clinical Services Represented in the Study

Major Diagnostic Category	# of Cases	% of Sample
Diseases & Disorders of Nervous System	4	3
Diseases & Oisorders of Respiratory System	11	7
Diseases & Disorders of Circulatory System	55	35
Diseases & Disorders of Skin, Subcutaneous		
Tissue and Breast	5	3
Endocrine, Nutritional and Metabolic		
Diseases and Disorders	10	7
Newborns and Other Neonates with Conditions		
Originating in the Perinatal Period	66	45
	151	

Major Diagnostic Categories Represented in the Study

Table 3.

DRG #	Description	Note; AMI = Acute Myocardial Infarction
17	Nonspecific cerebrovascular	disorder without complications
88	Chronic obstructive pulmonar	y disease
89	Pneumonia, pleurisy, age > 7	U and/or complications
121	AMI, alive with cardiovascul	ar complications
122	AMI, alive without cardiovas	cular complications
124	No AMI, cardiac catheterizat	ion with complex diagnosis
125	No AMI, cardiac catheterizat	ion without complex diagnosis
1 32	Atherosclerosis, age > 70 an	d/or complications
1 38	Arrythmia and conduction dis	orders, age $\geq$ 70 and/or complications
140	Angi na	
143	Chest pain	
278	Cellulitis without complicat	ions
294	Diabetes, age $\geq$ 36	
295	Diabetes, age < 36	
<b>39</b> 0	Normal newborn with minor se	condary diagnosis
391	Normal newborn without signi	ficant secondary diagnosis

DRG's Represented in Sample

Table 4.

		Mean Age			Mean Length of Stay
DR'	# of Cases	(Range)	% Male	% Female	(Range)
17	4	45	100	Ū	16
		(19-71)			(03-33)
88	6	58	33	67	7
		(45~74)			(03-12)
89	5	53	U	100	6
		(37-72)			(04-09)
121	6	62	<b>5</b> 0	50	12
		(48-77)			(07-14)
122	8	59	50	50	12
		(13-83)			(06-23)
124	8	64	87	13	13
		(53-70)			(07-22)
125	12	40	83	17	3
		(04-66)			(02-04)
1 32	4	64	100	U	15
		(56-69)			(06-24)
1 38	5	69	80	20	8
		(59-84)			(03-11)
140	7	64	43	57	2
		(46-80)			(01-05)
143	7	6 Ü	57	43	2
		(44-80)			(01-04)
278	5	26	80	20	6
		(19-43)			(04-08)
294	6	52	67	33	8
		(38-63)			(02-14)
295	4	24	50	50	6
		(18-32)			(02-15)
390	4	1	50	.50	7
					(04-15)
391	62	1	47	53	3
					(02-08)

Sample Characteristics by DRG

Table 5.

# Results

The mean patient acuity points (PAP's), as calculated in methodology step 8., and the case complexity index (CCI) for each DRG were placed on a scatterplot as the dependent and independent variables respectively (See Appendix C). From the observed wide scatter of the points one would expect little correlation between the two. Indeed the calculations produced an r value of .1284 and an r<sup>2</sup> value of .0165 (see Appendix D). For this sample of patients, about one and two-thirds per cent of the variation in PAP's is explained by the CCI. When these findings were weighed against the criteria, DRG's were determined not to be an indicator of nurse staffing requirements.

Although it has been reported that about 40% of hospital costs can be explained by DRG's, $^{61}$  this study indicates nursing time per patient cannot be explained by the CCI. These findings are consistent with another study of the impact of two severity of illness measurements on DRG revenues. $^{62}$ 

These findings have additional implications for hospitals reimbursed by DRG systems. Since the CCI does not correlate with the PAP's, which are a direct measure of time a nurse spends with a given patient, these hospitals are probably not being reimbursed equitably for nursing care. Hospitals cannot use the CCI as an easy method to ascertain the true cost for nursing care per DRG. Thus the hospital cannot accurately charge for nursing care based on the CCI. Hospitals should not attempt to contain costs by managing nursing time per CCI (or DRG reimbursement).

### Other Findings

Although the correlation of the PAP's and the CCI was low, further analysis of the PAP's per DRG revealed a possible alternative method of determining nurse staffing requirements by DRG. The grouped frequency distributions in Appendix E and descriptive statistics in Appendix F suggest PAP's per DRG may be normally distributed.

When a Chi-square Goodness of Fit test was applied with a null hypothesis of a normal population, ten of the sixteen DRG's were rejected at the 95% confidence level. Six DRG's could not be rejected. The applicability of this test can be questioned since the observations were not independent samples. For example, DRG 124 had sixty-three observations but they were from only eight patients. Another problem with this test arises from the statistical computer program used. All observations are forced in to six groupings thereby setting the degrees of freedom at five.

The six non-rejected DRG's did however have coefficients of skewness relatively close to zero<sup>64</sup> and coefficients of kurtosis close to three,<sup>65</sup> lending further evidence of a normally shaped distribution. When just the coefficients of skewness and kurtosis are considered, another four DRG's appear to be somewhat normally distributed (see Table 6).

With two exceptions (DRG 121, Acute myocardial infarction, alive with complications & DRG 128, Arrythmia with complications) all ten DRG's that appear to be normally distributed are ones that would be expected to have

highly standardized treatment protocols. This standardization could explain the close to normal distributions with such a small sample size.

Considering the size of this study, this normal tendency is a significant finding. The reader should be aware of two factors that make this normal tendency more important. If the sample size was larger, one would expect more DRG's to approach a normal distribution as the number of cases per DRG grew (Central Limit Theorum<sup>66</sup>). Also, as treatment regimes become more standardized in response to DRG based reimbursement PAP's per DRG should become more tightly grouped.

PAP as an indicator of nurse staffing requirements. Using the mean PAP for each DRG (instead of its CCI) with a case mix model could lead to prospective nurse resource allocation. This would greatly benefit multi-hospital systems and health planning activities. Nursing requirements could be planned on a large scale while considering the impacts of anticipated changes to the case mix at the institutional level. Thus the benefits of using a DRG based patient classification system as described in the introduction to this study could be realized. However, this mean may be too much of a "grand average" to be of use for daily intra-hospital staffing. From the observations of the data collected, PAP's vary widely over the course of a hospital stay for most DRG's. Intuitively, this researcher believes this variation is a function of when in the course of the illness a patient is admitted, when surgical procedures and diagnostic tests are

performed and when the onset of complications occurs. For this reason the PAP mean may not be sensitive enough to measure the daily fluctuations of patients' needs.

	# of	# of PAP	Accepted as Normal @	Confed at an a	0664
DRG	w or Cases	% of PAP Observations	95% Level?	Coefficient of Skewness	Coefficient
17	4	59	No No	1.615	of Kurtosis
17	4	23	NO	1.013	4.363
88	6	38	No	2.162	7.169
89	5	25	No	1.084	2.376
121*	6	44	No	.623	2.148
122*	6	58	No	•664	2.510
124	8	63	No	1.284	1.284
125*	12	35	Yes	•359	2.553
132	4	59	No	2.330	8.645
1 38*	5	19	Yes	300	2.279
140*	7	23	No	.019	3.861
143*	7	26	Yes	.285	3.467
278*	5	21	Yes	•569	2.253
294*	6	34	No	238	2.396
295*	4	21	Yes	.688	3.061
390	4	13	No	1.192	2.554
391*	62	244	Yes	•996	2.337

151 \* DRG appears normal by skewness and kurtosis

 ${\tt Goodness} \ \, {\tt of} \ \, {\tt Fit}, \ \, {\tt Skewness} \ \, {\tt and} \ \, {\tt Kurtosis} \ \, {\tt Results}$ 

Table 6.

### CHAPTER V

### CONCLUSION AND RECOMMENDATIONS

### Conclusion

This study indicates the use of the case complexity index (CCI) associated with diagnosis related groups (DRG's) is not an indicator of nurse staffing requirements.

Although the original concept of how to use DRG's could not be accepted by the predetermined criteria, in light of other findings made during the course of this study, it is the researcher's conclusion that DRG's may still be useful indicators of nurse staffing requirements on a macro scale. This could be done by determining DRG's with normally distributed patient acuity points (PAP's). Using the mean PAP for these DRG's as indicators of requirements, staffing could be projected and prospectively allocated using a methodology incorporating anticipated changes to the DRG case-mix. Due to these findings the researcher has revised the conceptual equation described in the Introduction (see figure 2).

Requirements =  $\underbrace{\text{Sum of all DRG's (PAP for DRG}_n) \ X \text{ (Frequency of } DRG_n + AC)}_{\text{Nursing Productivity per PAP}}$ 

NOTE: AC = anticipated changes

Revised Conceptual Equation

Figure 2.

### Recommendations

Recommendation: The CCI should not be used to determine nurse staffing requirements.

Recommendation: Other hospitals reimbursed by a DRG system should evaluate the ability of the CCI to predict nursing time spent with patients. If the results are consistent with this study's, the hospitals should not charge for nursing care based on CCI or attempt to manage nursing time per patient by CCI.

Recommendation: Further research should be conducted to determine if PAP's are normally distributed for other or all DRG's.

Recommendation: Further research should be conducted to determine if other patient classification systems correlate with the CCI.

Recommendation: This study should be replicated if the DRG weights (CC:) are changed. (Note: As mentioned in the Introduction, the HCFA is currently proposing the weights be revised for fiscal year 1986 use.)

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# APPENDIX A EXAMPLE PATIENT ACUITY WORKSHEET

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(4)	Chest tube insertion or lumbar puncture			_		4	ļ		<u> </u>	ļ	ļ	ļ	<u> </u>			Ц	
(4)	Tholacentesis or paracentesis &	<u> </u>	ŀ	<u> </u>	Ļ	<u>_</u>	ــــ	_	<u> </u>	ļ_	↓_	<u>!</u> _	<u> </u>	<del></del>		Ц	
(4)	Complex dressing change (> 30 minutes to complete)	L	<u> </u>	<u> </u>	Ļ	<u> </u>	<u> </u>	_	Ļ.,	<del> </del>	↓_	Ļ	<del> </del>	1_		Ц	
(4)	Streight catheterusiion a 4 or more	<u> </u>	_	<u> </u>	14	<u> </u>	<u> </u>	_	Ļ	<u> </u>	↓_	<u> </u>	<u> </u>	<u> </u>		Щ	
	Medication 42t or more textilide 189	_	ļ.,	-	ļ.,	<u> </u>	↓	_	<u> </u>		↓_	╀-	↓_	ļ	ļ	$\sqcup$	
	Range of motion exarcises a 3	<u> </u>	4	<u> </u>	14	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	┼	<del> </del>	<u>!</u>	<del> </del>		┦	
(4)	Accompany pasieni of wait > 36 minutes	<u> </u>	_	_	-	<u> </u>	ļ	_	<u> </u>	↓_	ļ	╀-	↓_	<del> </del>	<u> </u>	$\sqcup$	
	Other activities requiring > 30 minutes and 4 1 hour	<del> </del>	<del> </del>	ļ.,	-	<u> </u>	ļ	ļ	<del> </del>	<del> </del>	╀~	╀-	<del>!</del> _	<u> </u>	<u> </u>	igspace	
(E)	Specie: Procedures > 1 Mour Total     Each hour requiring continuous staff amendance/assistance	-	_	-	_	_		-	<del> </del>	-	_	-		<u> </u>	-		
1		<del> </del>	1-	<del> </del>	┪~~	-	$\vdash$	H	T	╁	+	<del> </del>	Ť	╁─	<u> </u>	┤┤┤	ļ
	RESPIRATORY THERAPY																
(2)	Dayper, therapy or oxyhood		1:		13	_			_	$\perp$	_		1		<u> </u>	$oxed{oxed}$	
(2)	Incestive spirameter or C&DS p4ti	2	<u> </u>						L						<u> </u>		1
(2)	IPPE or maximist bid or a 2	Ĺ							L						L		
(4)	IPPB or maximist offic or a 4	Ĺ							L								
(E)	IPPE or maximist gat, or a E-	L												$\perp$			
(8)	Croup tent or mist sent										$\perp$		1	<u> </u>	匚		ł
(2)	Chest pulmonary therapy bid 21 x 2	1	_		_	<u> </u>				1	$oldsymbol{\perp}$	$\perp$	<u> </u>	<u> </u>	1_	1_!	1
(4)	Chest pulmonary theraps obt, or a 4	<u> </u>	<u> </u>		1	<u> </u>	_			1	1	1	1	1_	<u> </u>	1	
(£.	Chest pulmonary therapy of r. or x 5	1	<u> </u>	1	1					1_	1		<u> </u>	<u>i</u>	<u> </u>	<u> </u>	1
17.	Surriphing p45 pt x E		1	1_	1	!		1_	1	1	1		<u>'</u>	<u>'</u> _	<u> </u>	<u>!</u>	ļ
(L	Sectioning 676 of a 17	1			14	<u> </u>		1	<u> </u> _	_	<u> </u>	 	<u>:</u>	1			}
11[	Versitato	1	١			111	:	_	Ĺ	1	1	1		·	1	<u> </u>	<u> </u>
(1	Tracte beiemig bare a 2	<u> </u>	1	1	14			Ĺ	1_	4-	<u> </u>	<u> </u>	' <del></del>	<u>;                                    </u>	<u>-</u>	<del> </del>	1
	AFOTTUS	1	13	17	:	17.	(	1	1_	1	1		1_	1_	!	<u> </u>	J

**:** }

PATIE	NT ACUITY WORKSHEET (continued)	NAME		100		100 10 10 10 10 10 10 10 10 10 10 10 10			//	/	//	/	//	//	//	///
PDINT VALUES	CRETCAL INDICATORS			S.	3/6	/ (					_					
(4)	IV THERAPY KVD	A		4	4	4					•					
(4)	Heparin lock or Brovice	$\top$		<u> </u>		<u> </u>									7	7
(6)	Simple (change bottle q5 - 8 hows)	T	16		_	7									†	_
(8)	Complex (2 or more sites or change bottle q4h)	$\top$	1			8		7				_			$\dashv$	
(2)	Medication q8h or x 3	2	$\dagger$			<u> </u>			7							7
(3)	Medication 46h or x 4	$\top$	3			3										ヿ
(4)	Medication 94h or x 6	†	Ť	$\vdash$	_	<u> </u>		†	_	7		<u> </u>			7	7
(4)	Blood products	$\top$	1			_			_	_					1	7
	TEACHING AND EMOTIONAL SUPPORT (Must be documented)															
	Teaching	_	<u> </u>				}					<u> </u>			+	
_ (4)	Admission assessment and orientation	╁	4	_	ļ			_	_	_			ļ.,		$\dashv$	
(4)	Preoperative teaching	╁	<u> </u>			_		_	_			<u> </u>		-	-	
(4)	Special structured teaching (diabetic, cardiac, etc.)	╁-	<b> </b>	9								-		-	-	
	Emotional Support (in excess of 30 min q 24 hours)	L											]			
(4)	Patient/family support (anxiety, denial, loneliness, etc.)			4	4	4										_
(4)	Lifestyle modification (prosthesis, bchavior, image, etc.															
(6)	Sensory deprivation fretarded, deaf, blind, etc.)	$\mathbf{L}$														
(10)	Maximum points for emotional support														$\perp$	
	CONTINUOUS											 				
(96)	Patient requiring 1:1 coverage all shifts	<u> </u>		<u> </u>					_			L_			_	
(146)	Patient requiring greater than 1:1 coverage all shifts	<u> </u>	ļ.,			. 44		_	_	_		ļ.,				_
POIN18	CATEGORY TOTALS	125	Glo	54	79	143	<u>L_</u>					L				<b>ل</b> ـ
0.12	NOTES:															
13:31 32:53	11 / 1. For any 1 multiply 1															
64-95 96 145	V // 2. Adjust po	ints :	10 <b>0</b> 0	com	mod	ete f	isdni	ency,	i. <b>t</b> .,	inte	ke	end	outpi	ıt q1	h <b>≕ 1</b>	6
146-539	VI 3. Count only	ly tho	ore b	1000	dur e	s pe	rloin	ied t	by th	e Ni	Jrsin	g <b>s</b> 1	aff o	r fan	nily <b>n</b>	iember
	CENSUS = 5															

### APPENDIX B

EXAMPLE INPATIENT RECORD ABSTRACT

# \*\*\* LISTING OF PATTEUTS ADMITTED AND CODED 3:17 \*\*\* FOR THE PERIOD OF JAN 22 \*\* MAR 16 85

ASSESSED DATIFICATION NAME DICAL PROPERTY PARKET NAME AND VALUE OF THE PARKET NAME OF THE	P1C41	PICAT PASVO		015P 0ATE	ADW DATE	**************************************	SEX	SEX TOT-BED-DAYS	**************************************
		L	37	20-79F-02	16-JAV-85	7.0	. 3 . 4 	~	
DIAGNOSIS # 1 SEVERE ADRIIC STENDSIS					C30ES 02410	o			
SEVERE CORONARY ARTERY DISEASE ATTH ANGILA	DISEASE ATTH	A 4 6 1 4 A			CDDE S 41490	041300 0			
DIAGNOSIS # 3					CO3FS 40190	0			
DIAGNOSTS # # VEV	VENTRICULAR ECTOPY	JPY			0.000		42760	c	
OPERATION & 1 BOICARDIAC CATMETERIZATION	70				12738	C( 1273801850122	CODES	406359	
CLINIC SERVICE #1	CL SVC 859 DA18 0012	0418	CL SVC TO1	I DAYS CL SV	CL SVC TOT DAYS CL SVC NOW RD DAYS 0012				

SCATTERPLOT OF PATIENT ACUITY POINTS & CASE COMPLEXITY INDEX

cci 59621 2.22 SCATTERPLOT

DER DATA FOR: A:REGRESSI LABEL: regression DMBER OF CASES: 16 NUMBER OF VARIABLES: 2

APPENDIX D
REGRESSION ANALYSIS

```
----- REGRESSION ANALYSIS -------
HEADER DATA FOR: A:REGRESSI LABEL: regression
NUMBER OF CASES: 16 NUMBER OF VARIABLES: 2
                       regression
                    : MEAN
1.03
INDEX
         NAME
                                         STD. DEV.
         cci
                                         . 42
EP. VAR.: mean
                          27.82
                                          14.06
 EPENDENT VARIABLE: mean
      REGRESSION COEFFICIENT STD. ERROR T(DF= 14)
                             8.83 .485
ci
CONSTANT
                4.28
                                                    .63549
                  23.43
 TD. ERROR UF EST. = .14.43
       r SQUARED = .0165
              r = .1284
                 ANALYSIS OF VARIANCE TABLE
                                      MEAN SQUARE F RATIO PROB.
 SOURCE
             SUM OF SQUARES D.F.
                                           48.88
                    48.88 1
2914.74 14
                                                      .235 .6355
 EGRESSION
 ESIDUAL
                                           208.20
                    2963.62
                             15
TOTAL
                                          STANDARDIZED RESIDUALS
     DESERVED CALCULATED
                          RESIDUAL -2.0
        9.360 26.733
                            -17.371
                            -4.22 |
              27.852
        23.630
       37.550 28.992
                             8.56
       20.190 32.935
                            -12.75 +
       28.490 30.574
                             -2.08 1
       28.419 26.969
                             1.44 |
       33.470 27.181
29.000 26.441
26.890 25.985
14.380 26.869
                             6.29 1
   8
                              2,56 1
                              . 90 1
                            -12.49 |
                            -8.27 1
       18.380 26.647
  11
        34.100 26.528
                              7.57 |
  12
        14.380 27.670
                            -13.29 |
```

-12.27 |

36.70 I

18.73 I

ŧ

WRBIN-WATSON TEST = 1.5648

47.680

14

15

14.610 26.877

64.680 27.982

28.954

### APPENDIX E

GROUPED FREQUENCY DISTRIBUTIONS OF PATIENT ACUITY POINTS PER DRG

### ----- FREQUENCY DISTRIBUTIONS ------

HEADER DATA FOR: A:DRG17 LABEL: pap LUMBER OF CASES: 59 NUMBER OF VARIABLES: 1

			:		• • •	. CUMULA	ATIVE
====CLASS	LIM:	ITS===#	FREQUENC	Y PERC	ENT FRE	EQUENCY	PERCENT
.00	<	5.00	16	27.	12	16	27.12
5.00	<	10.00	26	44.	<b>0</b> 7	42	71.19
10.00	<	15.00	6	10.	17	4B	81.3E
15.00	<	20.00	3	5.	Ø8	51	86.44
20.00	<	25.00	3	5.	08	54	91.53
25.00	<	30.00	4	6.	78	58	98.31
30.00	<	35.00	1	1.	£9	59	100.00
1		T	DTAL 59	100.	00		

= = E	===CLASS	; ;	LIMITS====	FREQUENCY	/
	.00	<	5.00	16	
	5.00	<	10.00	26	
	10.00	(	15.00	5	
	15.00	(	20.00	3	
	20.00	<	25.00	3	ees
ļ.	25. 00	<	30.00	4	
ì	30.00	(	35.00	1	<b>!=</b>

HEADER DATA FOR: A:DRG88 LABEL: pap NUMBER OF CASES: 38 NUMBER OF VARIABLES: 1

```
.... CUMULATIVE...
                                   PERCENT
====CLASS LIMITS====
                      FREQUENCY
                                             FREQUENCY PERCENT
               5.00
                                                          2.63
    .00 (
                           1
                                     2.63
                                                  1
                             7
   5.00 (
               10.00
                                    18.42
                                                  8
                                                        21.05
              15.00
                                   31.58
                                                 ೭0
  10.00 (
                            12
                                                        52.63
                                                 24
                                                        €3.16
  15.00 (
              20.00
                             4
                                   10.53
                             2
                                                26
                                                        68.42
  20.00 (
              25.00
                                     5.26
  25.00 (
               30.00
                             3
                                     7.89
                                                 29
                                                        76.32
  30.00 (
              35.00
                             2
                                    5.26
                                                 31
                                                        81.58
                             2
                                                 33
  35.00 (
              40.00
                                    5.26
                                                        86.84
                                     2.63
                                                 34
               45.00
                             1
                                                        89.47
  40.00 (
                             1
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                                                         92.11
  45.00 (
               50.00
                                   2.63
                                                 35
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  50.00 (
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                                                        94.74
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                                                        94.74
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              95.00
                                     . 02
  95.00 (
                                     2.63
                                                 37
                                                        97.37
              100.00
                             1
 100.00 (
              105.00
                                     2.63
                                                 38
                                                        100.00
                             1
                    TOTAL
                            38
                                   100.00
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====CLASS LIMITS====
                      FREQUENCY .....
    .00 (
                5.00
                              1 |==
   5.00 (
               10.00
                              10.00 (
               15.00
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  20.00 (
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  £5.00 (
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   40.00 (
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  45.00 (
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  50.00 (
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                              0 1
                              0 1
  55.00 (
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  E0.00 (
               65.00
                              0 1
  65.00 (
               70.00
                              0 1
               75.00
                              0 1
  70.00 (
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               80.00
  80.00
               85.00
                              0 1
  85.00 (
               90.00
                              0
                                1
   90.00
               95.00
   95.00 (
              100.00
  100.00 (
              105.00
                                1==
```

HEADER DATA FOR: A:DRG89 LABEL: pap MUMBER OF CASES: 25 NUMBER OF VARIABLES: 1

			:		CUM	ULATIVE
====CLAS	S L	IMITS====	FREQUENCY	PEPCENT	FREQUEN	CY PERCENT
. 00	<	10.00	0	. ୧୧	0	. 00
10.00	(	20. <b>0</b> 0	7	28.00	7	28.00
20.00	<b>〈</b>	30.00	9	36.00	16	64.00
30.00	<	40.00	2	8,00	18	72.00
40.00	<	50.00	0	. 00	18	72 <b>. 0</b> 0
50.00	(	60.00	0	.00	18	72.00
EØ. 00	<	70.00	0	. 00	18	72 <b>.0</b> 0
70.00	<	80.00	0	. 00	18	72.00
80.00	<	90. <b>0</b> 0	. Ø	.00	18	72.00
90.00	(	100.00	0	. ଉଦ	18	72.00
100.00	<	110.00	Ø	. 00	18	72.00
110.00	(	120.00	1	4.00	19	7E.00
120.00	(	130.00	0	. 00	19	76 <b>. 0</b> 0
130.00	<	140.00	1	4.00	20	80.00
140.00	<	150.00	0	. ୧୧	20	80.00
150.00	(	160.00	1	4.00	21	84.00
160.00	(	170.00	1	4.00	22	88.00
170.00	<	180.00	1	4.00	23	92. <b>0</b> 0
180.00	(	190.00	£	8.00	25	100.00
		Т	OTAL 25	100.00		

```
====CLASS LIMITS==== FREQUENCY .................
            10.00
   .00 (
                         10.00 (
            20.00
            30.00
  20.00 (
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  30.00 (
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            60. QQ
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 160.00 (
            170.00
                         1 |===
 170.00 (
            180.00
                         1 |===
 180.00 (
            190.00
                         5 | FECERE
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### ----- FREQUENCY DISTRIBUTIONS -----

HEADER DATA FOR: A:DRG121 LABEL: pap LUMBER OF CASES: 44 NUMBER OF VARIABLES: 1

VARIABLE: 1. drg121

			:		CUMULI	ATIVE
====CLASS	5 L	_IMITS====	FREQUENCY	PERCENT	FREQUENCY	PERCENT
.00	(	10.00	5	11.36	5	11.36
10.00	<	20.00	5	11.36	10	22.73
20.00	(	30 <b>.0</b> 0	5	11.3E	15	34.09
30.00	(	40.00	10	22.73	25	56.82
40.00	(	50.00	4	9. 09	29	65. 91
50.00	(	60.00	1	2.27	30	68.18
60. <b>0</b> 0	<	70.00	1	2.27	31	70.45
70.00	(	80.00	2	4.55	33	75.00
80.00	<	90.00	4	9.09	37	84.03
90.00	<	100,00	2	4.55	39	88.64
100.00	<	110.00	4	9.09	43	97.73
110.00	<	120.00	0	.00	43	97.73
120.00	(	130.00	1	2.27	44	100.00
		T	DTAL 44	100.00		

a

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.00 (
                   5 |==========
          10.00
  10.00 (
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                    20.00 (
          30.00
                    5 | ############
                   30.00 (
          40. 00
  40.00 (
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                    4 | *******
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  E0.00 (
          70.00
                    1 |==
                    2 !====
  70.00 (
         80.00
          90.00
  80.00 (
                    4 | =========
         100.00
  90.00 (
                    5 |Exces
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         110.00
                    4 | ----
 110.00 (
         120.00
                    Ø 1
  120.00 (
         130.00
                   1 |==
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```
HEADER DATA FOR: A:DRG122 LABEL: pap
NUMBER OF CASES: 58 NUMBER OF VARIABLES: 1
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....CUMULATIVE...
===CLASS LIMITS==== FREQUENCY PERCENT
                                          FREQUENCY PERCENT
              5.00
    .00 (
                          0
                                  .00
                                              0
                          5
                                               5
   5.00 (
              10.00
                                  8.62
                                                      8.62
                          10
  10.00 (
             15.00
                                17.24
                                              15
                                                     25.86
  15.00 (
             20.00
                          3
                                 5.17
                                              18
                                                     31.03
  20.00 (
             25.00
                           4
                                 6.90
                                              22
                                                     37.93
  25.00 (
             30.00
                          4
                                 6. 90
                                              26
                                                     44.83
                          6
                                                     55.17
  30.00 (
             35.00
                               10.34
                                              32
                          5
                                 8.62
                                                     63.79
  35.00 (
             40.00
                                              37
  40.00 (
             45.00
                           0
                                  . ଉଦ
                                              37
                                                     63.79
  45.00 (
             50.00
                           1
                                 1.72
                                              38
                                                     65.52
  50.00 (
             55.00
                           3
                                 5.17
                                              41
                                                     70.69
  55.00 (
            60.00
                           4
                                 6.90
                                              45
                                                     77.59
  60.00 (
            65.00
                           4
                                 6.90
                                              49
                                                     84.48
                                 5.17
  65.00 (
             70.00
                          3
                                              52
                                                     89.66
  70.00 (
             75.00
                          0
                                  .00
                                              52
                                                     89.66
                          2
  75,00 (
             80.00
                                  3.45
                                              54
                                                     93.10
                          Ø
  80.00 (
             85.00
                                  .00
                                              54
                                                     93.10
                                 3.45
  85.00 (
             90.00
                          2
                                              56
                                                     96.55
                          1
                                 1.72
  90,00 (
             95.00
                                              57
                                                     98.28
  95.00 (
             100.00
                                  . 00
                                              57
                                                    98.28
                                  1.72
 100.00 (
             105.00
                           1
                                              58
                                                    100.00
                   TOTAL
                          58
                                100.00
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====CLASS LIMITS==== FREQUENCY ......
    .00 (
           5.00
   5.00 (
             10.00
                          5 | ***********
  10.00 (
             15.00
                         3 |=======
  15.00 (
             20.00
  20.00 (
             25.00
                          4 | =========
  25.00 (
             30.00
                          4 | =========
  30.00 (
            35.00
                          6 | ------
  35.00 (
             40.00
  40.00 (
             45.00
                          0 1
  45.00 (
             50.00
  50.00 (
             55.00
                          3 | ========
  55.00 (
             60.00
                          4 |==========
  60.00 (
             65.00
                          3 |=======
  65.00 (
             70.00
  70.00 (
             75.00
                          0 1
  75.00 (
            80.00
                          S |====
  80.00 (
             85.00
                          0 1
  85.00 (
                         5 |====
            90.00
  90.00 (
             95.00
                         1 |==
                         6 I
  95.20 (
            100.00
 100.00 (
            105.00
                          1 |==
```

### ----- FREQUENCY DISTRIBUTIONS -----

HEADER DATA FOR: A:DRG124 LABEL: pap NUMBER OF CASES: 63 NUMBER OF VARIABLES: 1

	•			CUMULA	ATIVE
====CLASS LIMI1		JUENCY	PERCENT	FREQUENCY	PERCENT
.00 (	5.00	1	1.59	1	1.59
5.00 (	10.00	22	34.92	23	36.51
10.00 (	15.00	9	14.29	32	50.79
15.00 〈	20.00	8	12.70	40	63.49
20.00 (	25.00	2	3.17	42	66.67
25, ହଡ଼ 🔇	30.00	5	7 <b>. 9</b> 4	47	74.60
30.00 (	35.00	3	4.76	50	79.37
<b>35.0</b> 0 (	40.00	4	<b>6.</b> 35	54	85.71
40.00 <	45.00	.3	4.76	57	90.48
45.00 <	50.00	4	6.35	61	<b>96.8</b> 3
50.00 (	55.00	Ø	. 00	61	96.83
55.00 <	60.00	Ø	. 00	<del>6</del> 1	<del>9</del> 6.83
60.00 (	65.00	0	. 00	61	96.B3
<b>65.00</b> 〈	70.00	ହ	.00	€1	96.83
70.00 (	75.00	2	3.17	63	100.00
	TOTAL	63	100.00		

===CLASS LIMITS====	REQUENCY
.00 〈 5.00	1 i=
5.00 ( <b>10</b> .00	55
10.00 ( 15.00	9  ==========
15.00 ( 20.00	8  ========
20.00 ( <b>25.0</b> 0	2 l==
25.00 ( 30 <b>.</b> 00	5 (======
30.00 〈 <b>35.0</b> 0	3  ===
35.00 ( 40.00	4  =====
40.00 < 45.00	3  ===
45.00 〈 <b>50.0</b> 0	4  =====
50.00 〈 <b>5</b> 5.00	<b>0</b> 1
55.00 ( 60.00	@ I
60.00 ( 65.00	0
65.00 〈 70.00	0 1
70.00 ( 75.00	ع= ا ≥

HEADER DATA FOR: A:DRG125 LABEL: pap UMBER OF CASES: 35 NUMBER OF VARIABLES: 1

```
.... CUMULATIVE...
FEESECLASS LIMITS==== FREQUENCY PERCENT
                                          FREQUENCY PERCENT
              5.00
    .00 (
                            3
                                  8.57
                                               3
                                                     8.57
    5.00 (
              10.00
                            0
                                   .00
                                               3
                                                     8.57
   10.00 (
              15.00
                            3
                                 8.57
                                               6
                                                    17.14
   15.00 (
              20.00
                            6
                                 17.14
                                              12
                                                    34.29
   20.00 (
              25.00
                                11.43
                                              16
                                                    45.71
   25.00 (
              30.00
                            4
                                 11.43
                                              20
                                                    57.14
   30.00 (
              35.00
                           2
                                 5.71
                                              22
                                                    62.86
   35.00 (
              40.00
                            4
                                11.43
                                             26
                                                    74.29
   40.00 (
             45.00
                            3
                                 8.57
                                             29
                                                   82.8E
                           4 11.43
   45.00 (
             50.00
                                             33
                                                   94.29
  50.00 (
              55.00
                           1
                                 2.86
                                             34
                                                    97.14
  55.00 (
             60.00
                           0
                                  .00
                                             34
                                                    97.14
  60.00 (
             65.00
                           0
                                   .00
                                             34
                                                   97.14
  65.00 (
                                             35 100.00
              70.00
                                 2.86
                           1
                   TOTAL
                           35
                                100.00
```

```
.00 (
       5.00
               5.00 (
        10.00
               0 1
 10.00 (
       15.00
               15.00 (
        20.00
               20.00 (
       25.00
                4 |------
 25.00 (
        30.00
               4 |==============
 30.00 (
       35.00
               2 (*******
 35.00 (
       40.00
               40.00 (
       45.00
               45.00 (
        50.00
               50.00 (
        55.00
               1 |====
 55.00 (
       60.00
               Ø 1
 60.00 (
        65.00
               0 1
 65.20 (
        70.00
               1 |====
```

HEADER DATA FOR: A:DRG132 LABEL: pap NUMBER OF CASES: 59 NUMBER OF VARIABLES: 1

```
.... CUMULATIVE...
===CLASS LIMITS==== FREQUENCY
                              PERCENT
                                        FREQUENCY PERCENT
                              45.76
    .00 (
             10.00
                         27
                                           27
                                                  45.76
  10.00 (
             20.00
                          5
                                8.47
                                           32
                                                  54.24
  20.00 (
             30.00
                          5
                                8.47
                                           37
                                                  62.71
  30.00 (
             40,00
                          5
                               8.47
                                           42
                                                  71.19
  40.00 (
             50.00
                          7
                              11.86
                                           49
                                                  83.05
                               6.78
  50.00 (
             60.00
                          4
                                           53
                                                  89.83
  60.00 (
             70.00
                          2
                               3.39
                                           55
                                                  93.22
  70.00 (
                                . 00
                                                  93.22
            80.00
                          0
                                           55
  80.00 (
             90.00
                          1
                               1.69
                                           56
                                                  94.92
  30.00 (
                          0
                                .00
                                           5€
                                                  94.92
           100.00
                                 .00
                                                  94.92
 100.00 (
           110.00
                          2
                                           56
                                . 00
 110.00 (
           120.00
                          0
                                           56
                                                  94.92
 120.00 (
                          0
                                . 22
                                           56
                                                  94.92
           130.00
 130.00 (
           140.00
                          1
                               1.69
                                           57
                                                  96.61
 140.00 (
           150.00
                          0
                                 . 00
                                           57
                                                  96.61
 150.00 (
                          2
                                3.39
                                           59
                                                 100.00
            160.00
                  TOTAL
                         59
                              100.00
.00 (
             10.00
                         10.20 (
             20.00
                          5 |=====
  20.00 (
             30.00
                          5 |====
  30,00 (
             40.00
                          5 |=====
  40.00 (
             50.00
                          7 |======
                          4 |====
  50.00 (
             60.00
  60.00 (
             70.00
                          2 |==
                          0 1
  70.00 (
             80.00
  80.00 (
            90.00
                          1 =
  90.00 (
                          2
            100.00
 100.00 (
           110.00
                          0 1
 110.00 (
           120.00
                          0 1
 120.00 (
                          0 1
           130.00
 130.00 (
           140.00
 140.00 (
                          0 1
           150.00
 150.00 (
                          2 |==
            160.00
```

### ------ FREQUENCY DISTRIBUTIONS -----

HEADER DATA FOR: A:DRG138 LABEL: pap NUMBER OF CASES: 19 NUMBER OF VARIABLES: 1

	:			CUMULA	ATIVE
====CLASS LIMI7	S=≃== FREC	UENCY	PERCENT	FREQUENCY	PERCENT
.00 (	5.00	0	. 00	0	. ଉଡ
5.00 (	10.00	3	15.79	3	15.79
10.00 (	15. <b>0</b> 0	1	5.26	4	21.05
15.00 (	20.00	Ø	. 00	4	21.05
20.00 (	25.00	1	5.26	5	<b>26.3</b> 2
25.00 (	30.00	2	10.53	7	36.84
30.00 (	35. <b>0</b> 0	1	5.26	8	42.11
35.00 (	40.00	4	21.05	12	63.16
40.00 <	45.00	3	15.79	15	78 <b>. 9</b> 5
45.00 (	50.00	1	5.26	16	84.21
50.00 (	55.00	2	10.53	18	94.74
55.00 (	60.00	Ø	.00	18	94.74
60.00 (	65.00	1	5.26	19	100.00
	TOTAL	19	100.00		

```
5.00
  .00 (
                0 1
 5.00 (
        10.00
                10.00 (
        15.00
                1 |======
 15.00 (
        20.00
        25.00
 20.00 (
                1 |=======
 25.00 (
        30.00
                2 | ===========
 30.00 (
        35.00
 35.00 (
        40. 00
                40.00 (
       45.00
                45.00 (
        50.00
 50.00 (
        55.00
                55.00 (
        60.00
                20 f
 60.00 (
        65.00
                1 |======
```

### ----- FREQUENCY DISTRIBUTIONS ------

HEADER DATA FOR: A:DRG140 LABEL: pap MUMBER OF CASES: 23 NUMBER OF VARIABLES: 1

	:			CUMULA	ATIVE
====CLASS LIMIT	S==== FREQU	JENCY	PERCENT	FREQUENCY	PERCENT
<b>. ହ</b> ହ ଏ	5.00	Ø	. 00	0	. 00
5.00 (	10.00	0	. 00	0	. 00
10.00 (	15.00	3	13.04	3	13.04
15.00 (	20.00	2	8.70	5	21.74
<b>୬</b> ଉ. ଏହେ 🕻	25.00	1	4.35	6	26.09
25.00 (	30.00	5	21.74	11	47.83
30.00 (	35.00	9	39.13	20	86. 9b
35.00 (	40.00	2	8.70	22	95.65
40.00 <	45 <b>. 0</b> 0	Ø	.00	22	<b>95.65</b>
45.00 <	50.00	0	.00	22	95.65
5ଏ. <b>ଏ</b> ଡ ଏ	55.00	1	4.35	23	100.00
	TOTAL	23	100.00		

=	==CLASS	L	_IMITS====	FREQUENCY	
	. 00	<	5 <b>.0</b> 0	0	1
	5.00	<	10.00	0	1
	10.00	(	15.00	3	
	15.00	<	20 <b>.0</b> 0	ê	=====
	20.00	(	25.00	1	===
	25. 00	<	30.00	5	
	30.00	<	35.00	9	
	35.00	<	40.00	2	=====
	40.00	<	45.00	0	1
	45.00	<	50.00	•	l
	50.00	<	55.00	1	===

### ----- FREQUENCY DISTRIBUTIONS ------

HEADER DATA F.R: A:DRG143 LABEL: pap NUMBER OF CASES: 26 NUMBER OF VARIABLES: 1

		:		CUMUL	ATIVE
=====CLASS	LIMITS====	FREQUENCY	PERCENT	FREQUENCY	Y PERCENT
. 00	< 5.00	1	3.85	1	3.85
5.00	( 10.00	2	7.69	3	11.54
10.00	( 15.00	3	11.54	6	23 <b>. 0</b> 8
15.00	( 20.00	1	3.85	7	26. 92
20.00	( 25.00	2	7.69	9	34.62
25.00	( 30.00	5	19.23	14	53.85
30.00	( 35.00	4	15.38	18	69.23
35.00	40.00	. 5	19.23	23	88.46
40.00	45.00	2	7.69	25	96.15
45.00	( 50.00	· Ø	.00	25	96.15
50. <b>0</b> 0	( 55.00	Ø	.00	25	96, 15
55. <b>0</b> 0	( 60.00	Ø	. 00	25	96.15
60.00	( 65.00	1	3.85	26	100.00
	7	OTAL 26	100.00		

=====CLASS	LI1	MITS====	FREQUENCY	
. 00	<	5.00	1 (2222	
5.00	(	10.00	2  =========	
10.00	(	15.00	3  ====================================	
15.00	< −	20.00	1  =====	
20.00	< −	25.00	§  =========	
25.00	<	30.00	5	=
30.00	<b>(</b>	35.00	4  ====================================	
35.00	<	40.00	5  ====================================	=
40.00	<	45.00	ê  =========	
45.00	<	50.00	0 1	
50.00	<	55.00	<b>@</b>	
55.00	<	60.00	0 1	
60.00	(	65.00	1 (6655	

### 

HEADER DATA FOR: A:DRG278 LABEL: pap NUMBER OF CASES: 21 NUMBER OF VARIABLES: 1

			CUMUL	ATIVE
EEFFECLASS LIMITS====	FREQUENCY	PERCENT	FREQUENCY	PERCENT
.00 ( 5.00	1	4.76	1	4.76
5.00 ( 10.00	7	33. 33	8	38.10
10.00 ( 15.00	4	19.05	12	57.14
15.00 ( 20.00	3	14.29	15	71.43
20.00 ( 25.00	4	19.05	19	90.48
25.00 ( 30.00	1	4.76	20	95.24
' 30.00 ( 35.00	1	4.76	21	100.00
7	INTAL 21	100.00		

==== <u></u>	LASS	,	LIMITS====	FREQUENCY	1		
)	.00	(	5.00	1		E===	
5	.00	<	10.00	7			
10	. ଉତ	<	15.00	4		ESSUESEESSESSES	
15	.00	<	20.00	3		=========	
20	.00	<	25.00	4		c=c=========	
25	.00	<	30.00	1		====	
30	.00	<	35.00	1		====	

### ----- FREQUENCY DISTRIBUTIONS ------

MEADER DATA FOR: A:DRG294 LABEL: pap NUMBER OF CASES: 34 NUMBER OF VARIABLES: 1

1				•			(	CUMUL	ATIVE
	*===CLASS	i L	_IMITS===#	FREQU	ENCY	PERCENT			PERCENT
	.00	<	5.00		1	2.94		1	2.94
	5.00	(	10.00		1	2.94		2	5.88
_	10.00	<	15.00		9	26.47		11	32 <b>. 3</b> 5
_	15.00	(	20.00		8	23.53		19	55.88
I	20.00	<	<b>25.0</b> 0		B	<b>23.5</b> 3	i	27	79.41
æ	25.00	<	30.00		7	20.59		34	100.00
			T	DTAL	34	100.00			

	=====CLASS	1	LIMITS====	FREQUENCY	′	
	.00	<	5.00	1		===
	5.00	<	10.00	1		c==
-	10.00	<	15.00	9		
_	15.00	<	20.00	8		c====================================
	20.00	<	25.00	8		E2222222222277222722
	25.00	<	30.00	7		

## ----- FREQUENCY DISTRIBUTIONS -----

HEADER DATA FOR: A:DRG295 LABEL: pap NUM'JER OF CASES: 21 NUMBER OF VARIABLES: 1

			:				. CUMUL	ATIVE
	3	LIMITS====	FREQ	UENCY	PERCENT	FREI	<b>QUENCY</b>	PERCENT
	<	5.00		0	. 00		0	.00
5.00	(	10.00		Ø	.00		0	.00
10.00	<	15.00		4	19.05		4	19.05
15.00	<	20.00		Ø	.00		4	19.05
20.00	<	<b>25.0</b> 0		3	14.29		7	33.33
25.00	<	30.00		1	4.7€		a	38.10
30. <b>0</b> 0	<	35.00		3	14.29		11	52.38
35.00	<	40.00		5	23.81		16	76.19
40.00	<	45.00		0	. 00			76.19
45.00	<	50.00	•	1	4.76		17	80.95
50.00	(	55.00		2	9.52		19	90.48
55.00	<	60.00		0	. 20		19	90.48
60.00	<	65.00		0	.00		19	90.48
65.00	<	70.00		1	4.76		20	95.24
70.00	<	75.00		1	4.76		21	100.00
		T	DTAL	21	100.00		_	
	5.00 10.00 15.00 25.00 35.00 35.00 45.00 50.00 55.00 60.00	.00 ( 5.00 ( 10.00 ( 15.00 ( 25.00 ( 35.00 ( 35.00 ( 45.00 ( 50.00 ( 55.00 ( 65.00 (	5.00 ( 10.00 10.00 ( 15.00 15.00 ( 20.00 20.00 ( 25.00 25.00 ( 30.00 30.00 ( 35.00 35.00 ( 40.00 40.00 ( 45.00 50.00 ( 55.00 50.00 ( 65.00 60.00 ( 70.00 70.00 ( 75.00	.00 ( 5.00 5.00 ( 10.00 10.00 ( 15.00 15.00 ( 20.00 20.00 ( 25.00 25.00 ( 30.00 30.00 ( 35.00 35.00 ( 40.00 40.00 ( 45.00 45.00 ( 50.00 50.00 ( 65.00 60.00 ( 65.00	.00 ( 5.00 0 0 5.00 0 10.00 ( 15.00 4 15.00 4 25.00 3 25.00 3 25.00 ( 35.00 3 35.00 3 35.00 ( 40.00 5 40.00 ( 55.00 60.00 ( 55.00 60.00 ( 65.00 ( 70.00 1 75.00 ( 75.00 1 70.00 ( 75.00 1 1 75.00 ( 75.00 1 1 70.00 ( 75.00 1 1 75.00 ( 75.00 1 1 70.00 ( 75.00 1 1 75.00 ( 75.00 1 1 75.00 ( 75.00 1 1 75.00 ( 75.00 1 1 75.00 ( 75.00 1 1 75.00 ( 75.00 1 1 75.00 ( 75.00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.00 ( 5.00 0 .00 5.00 ( 10.00 0 .00 10.00 ( 15.00 4 19.05 15.00 ( 20.00 0 .00 20.00 ( 25.00 3 14.29 25.00 ( 30.00 1 4.76 30.00 ( 35.00 3 14.29 35.00 ( 40.00 5 23.81 40.00 ( 45.00 0 1 4.76 50.00 ( 55.00 2 9.52 55.00 ( 60.00 0 .00 60.00 ( 65.00 0 .00 65.00 ( 70.00 1 4.76 70.00 ( 75.00 1 4.76		

```
.00 (
         5.00
                  0 1
  5.00 (
         10.00
                  0 1
  10.00 (
         15.00
                  15.00 (
         20.00
                  20 1
  20.00 (
         25.00
                  25.00 (
         30.00
                  1 | =====
  30.00 (
         35.00
                  35.00 (
         40. 00
                  40.00 (
         45.00
                  0 1
  45.00 (
         50.00
                  1 |=====
  50.00 (
         55.00
                  5 |===========
  55.00 (
         60.00
                  0 1
 60.00 (
         65.00
                  0 1
 65.00 (
         70.00
                  1 |=====
  70.00 (
         75.00
                  1 |=====
```

### ----- FREQUENCY DISTRIBUTIONS -----

HEADER DATA FOR: A:DRG390 LABEL: pap NUMBER OF CASES: 13 NUMBER OF VARIABLES: 1

				:				CUMULA	ATIVE
=:	====CLA55	L	.IMITS====	FREQU	ENCY	PERCE	NT	FREQUENCY	PERCENT
_	. 00	<	5.00		Ø	. 00	21	Ø	.00
	5.00	<	10.00		3	23.0	В	3	23.08
	10.00	<	15.00		7	<b>53.</b> 83	5	10	76.92
	15.00	<	£0.00		0	. Ø	0	10	76.92
	20.00	<	<b>25.0</b> 0		0	. Ø	<b>2</b> 0	10	76.92
2	25.00	<	30.00		2	15.3	8	12	92.31
	30.00	<	35.00		1	7.69	9	13	100.00
			TO	TAL	13	100.0	0		

- = =	===CLASS	3	LIMITS====	FREQUENCY	,	
_	.00	<	5.00	0	I	
	5.00	<	10.00	3	ı	*****
	10.00	<	15.00	7	ŧ	EDG####################################
	15.00	<	20.00	Ø	ı	
	20.00	<	25.00	Ø	ı	
	25.00	<	30.00	2	i	
	30.00	<	35.00	1	1	C=26

### ------ FREQUENCY DISTRIBUTIONS -----

HEADER DATA FOR: A:DRG391 LABEL: pap YUMBER OF CASES: 244 NUMBER OF VARIABLES: 1

VARIABLE: 1. drg391

		:			CUMULI	ATIVE
===CLASS	3	LIMITS==== FRE	QUENCY	PERCENT	FREQUENCY	PERCENT
. 00	<	5.00	Ø	. 00	0	.00
5.00	<	10.00	117	47.95	117	47.95
10.00	<	15.00	52	21.31	169	69.26
15.00	(	20.00	9	3.69	178	72.95
20. <b>0</b> 0	<	25.00	8	3.28	186	76.23
. 25.00	<	30.00	26	10.66	212	86.89
30.00	(	35.00	30	12.30	242	99.18
35.00	<	40.00	. 2	. 82	244	100.00
		TOŢAL	244	100.00		

===CLASS	;	LIMITS====	FREQUENCY	,
.00	<	5.00	0	1
5. <b>છ</b> જ	<	10.00	117	
10.00	<	15.00	52	
15.00	<	20.00	9	E==
20.00	<	25.00	8	<b> =</b>
25 <b>. 0</b> 0	<	30.00	26	tttret
30.00	(	35,00	30	
35.00	<	40.00	2	1

## APPENDIX F

DESCRIPTIVE STATISTICS OF PATIENT ACUITY POINTS PER DRG

ARITHMETIC MEAN = 9.3559322033903

SAMPLE STD. DEV. = 7.5218365142469 SAMPLE VARIANCE = 56.578024547057 COEFFICIENT OF VARIATION = 80.396441003722%

POPULATION STD. DEV. = 7.4578197201638 POPULATION VARIANCE = 55.619074978463 COEFFICIENT OF VARIATION = 79.712203530732%

TANDARD ERROR OF THE MEAN = .9792597043656

MINIMUM = 4 MAXIMUM = 32

SUM = 552.000000000003 SUM OF SQUARES = 8446.000000001 DEVIATION SS = 3281.5254237293

1ST MOMENT = 0 2ND MOMENT = 55.619074978463 3RD MOMENT = 669.97182769396 MOMENT COEFFICIENT OF SKEWNESS = 1.6151796891223 4TH MOMENT = 13495.593990308 MOMENT COEFFICIENT OF KURTOSIS = 4.3625908168318

## ORMAL DISTRIBUTION GOODNESS OF FIT TEST:

THE HYPOTHESIS THAT THE POPULATION IS NORMAL OF MEAN 9.3559322033903 AND TD. DEV. 7.5218365142469 CAN BE REJECTED AT THE 95% CONFIDENCE LEVEL

CHI SDUARE = 66.695, D.F. = 5, P =-4.486E-07

VARIABLE NAME: drg88

N = 38

ARITHMETIC MEAN = 23.63157894737

SAMPLE STD. DEV. = 23.22101602676 SAMPLE VARIANCE = 539.266002845 COEFFICIENT OF VARIATION = 98.267245089268%

POPULATION STD. DEV. = 22.914510517221 POPULATION VARIANCE = 525.07479224382 COEFFICIENT OF VARIATION = 96.965634705383%

STANDARD ERROR OF THE MEAN = 3.767122323629

MINIMUM = 4 MAXIMUM = 101

SUM = 898.000000000000 SUM OF SQUARES = 41174.0000000005 DEVIATION SS = 19952.842105265

1ST MOMENT = 0 2ND MOMENT = 525.07479224382 3RD MOMENT = 26017.34319871

MOMENT COEFFICIENT OF SKEWNESS = 2.1623758979348

4TH MOMENT = 1976588.9167362

MOMENT COEFFICIENT OF KURTOSIS = 7.1692548271908

NORMAL DISTRIBUTION GOODNESS OF FIT TEST:

HE HYPOTHESIS THAT THE POPULATION IS NORMAL OF MEAN 23.63157894737 AND STD. DEV. 23.222101602676 CAN BE REJECTED AT THE 95% CONFIDENCE LEVEL

CHI SQUARE = 39.895, D.F. = 5, P =-2.918E-07

ARITHMETIC MEAN = 59.84

SAMPLE STD. DEV. = 64.682352049587 SAMPLE VARIANCE = 4183.8066666667 COEFFICIENT OF VARIATION = 108.09216585827%

POPULATION STD. DEV. = 63.375503153821

POPULATION VARIANCE = 4016, 4544

COEFFICIENT OF VARIATION = 105.90826061802%

STANDARD ERROR OF THE MEAN = 12.936470409917

MINIMUM = 10 MAXIMUM = 187

SUM = 1496 SUM OF SQUARES = 189932

DEVIATION SS = 100411.36

1ST MOMENT = 0

2ND MOMENT = 4016.4544

3RD MOMENT = 276075.662208

MOMENT COEFFICIENT OF SKEWNESS = 1.0845856688065

4TH MOMENT = 38325909.255762

MOMENT COEFFICIENT OF KURTOSIS = 2.3757830835994

NORMAL DISTRIBUTION GOODNESS OF FIT TEST:

THE HYPOTHESIS THAT THE POPULATION IS NORMAL OF MEAN 59.84 AND BTD. DEV. 64.682352049587 CAN BE REJECTED AT THE 95% CONFIDENCE LEVEL

CHI SOUARE = 46.360, D.F. = 5, P =-4.410E-07

ARITHMETIC MEAN = 47.681818181822

SAMPLE STD. DEV. = 33.475275657391
SAMPLE VARIANCE = 1120.5940803383
DEFFICIENT OF VARIATION = 70.205535220452%

POPULATION STD. DEV: = 33.092688513596 POPULATION VARIANCE = 1095.1260330579 COEFFICIENT OF VARIATION = 69.403159895048%

NDARD ERROR OF THE MEAN = 5.0465876867856

MINIMUM = 6 MAXIMUM = 125

1ST MOMENT = 0

ND MOMENT = 1095.1260330579 RD MOMENT = 22579.60706232

MOMENT COEFFICIENT OF SKEWNESS = .62304616243285

TH MOMENT = 2576017.1321015

OMENT COEFFICIENT OF KURTOSIS = 2.1479320632231

#### AL DISTRIBUTION GOODNESS OF FIT TEST:

E HYPOTHESIS THAT THE POPULATION IS NORMAL OF MEAN 47.681818181822 AND DEV. 33.475275657391 CAN BE REJECTED AT THE 95% CONFIDENCE LEVEL

CHI SQUARE = 24.727, D.F. = 5, P = 1.568E-04

VARIABLE NAME: drg122 N = 5B

ARITHMETIC MEAN = 37.55172413793

SAMPLE STD. DEV. = 25.408364704861 SAMPLE VARIANCE = 645.58499697521COEFFICIENT OF VARIATION = 67.662311886225%

POPULATION STD. DEV: = 25.188374722584 POPULATION VARIANCE = 634.45422116529 COEFFICIENT OF VARIATION = 67.076479977498%

TANDARD ERROR OF THE MEAN = 3.3362817341942

MINIMUM = 6 MAXIMUM = 103

SUM OF SQUARES = 118585.999999999 DEVIATION SS = 36798.344827587

1ST MOMENT = 0 2ND MOMENT = 634.45422116529 3RD MOMENT = 10615.183689372 MOMENT COEFFICIENT OF SKEWNESS = .66424313859604 4TH MOMENT = 1010365.4951993

ORMAL DISTRIBUTION GOODNESS OF FIT TEST:

JHE HYPOTHESIS THAT THE POPULATION IS NORMAL OF MEAN 37.55172413793 AND TD. DEV. 25.408364704861 CAN BE REJECTED AT THE 95% CONFIDENCE LEVEL

CHI SQUARE = 15.931, D.F. = 5, P = 7.043E-03

MOMENT COEFFICIENT OF KURTOSIS = 2.510024288061

ARITHMETIC MEAN = 20.190476190474

SAMPLE STD. DEV. = 16,148361689456 SAMPLE VARIANCE = 260.76958525347 COEFFICIENT OF VARIATION = 79.980093873859%

POPULATION STD. DEV. = 16.01968743414 POPULATION VARIANCE = 256.63038548754 COEFFICIENT OF VARIATION = 79.342791537023%

STANDARD ERROR OF THE MEAN = 2.0345023386392

MINIMUM = 4MAXIMUM = 71

SUM OF SQUARES = 41849.999999997 DEVIATION SS = 16167.714285715

1ST MOMENT = @ 2ND MOMENT = 256,63038548754 3RD MOMENT = 5279.4423928334

MOMENT COEFFICIENT OF SKEWNESS = 1.2841801154862

4TH MOMENT = 274907.51079036

MOMENT COEFFICIENT OF KURTOSIS = 4.1741730790655

NORMAL DISTRIBUTION GOODNESS OF FIT TEST:

THE HYPOTHESIS THAT THE POPULATION IS NORMAL OF MEAN 20.190476190474 AND STD. DEV. 16.148361689456 CAN BE REJECTED AT THE 95% CONFIDENCE LEVEL

HI SQUARE = 44.302, D.F. = 5, P =-4.285E-07

ARITHMETIC MEAN = 28.485714285714

SAMPLE STD. DEV. = 15.347679319826 SAMPLE VARIANCE = 235.5512605042 COEFFICIENT OF VARIATION = 53.878513158868%

POPULATION STD. DEV. = 15.126837887999
POPULATION VARIANCE = 228.82122448979
COEFFICIENT OF VARIATION = 53.103242335002%

JANDARD ERROR OF THE MEAN = 2.594231295472

MINIMUM = 4 MAXIMUM = 67

SUM = 996.99999999999

SUM OF SQUARES = 36409

DEVIATION SS = 8008.7428571428

1ST MOMENT = 0

2ND MOMENT = 228.82122448979 3RD MOMENT = 1243.0601982506

MOMENT COEFFICIENT OF SKEWNESS = .35912670672959

4TH MOMENT = 133646.81432203

MOMENT COEFFICIENT OF KURTOSIS = 2.5525014679137

RMAL DISTRIBUTION GOODNESS OF FIT TEST:

THE HYPOTHESIS THAT THE POPULATION IS NORMAL OF MEAN 28.485714285714 AND SID. DEV. 15.347679319826 CANNOT BE REJECTED AT THE 95% CONFIDENCE LEVEL

OCHI SQUARE = 5.457, D.F. = 5, P = .3627

ARITHMETIC MEAN = 28.406779661018

SAMPLE STD. DEV. = 34.274308586838 SAMPLE VARIANCE = 1174.7282291058 COEFFICIENT OF VARIATION = 120.65538225676%

POPULATION STD. DEV. = 33.982607038819 POPULATION VARIANCE = 1154.8175811548 COEFFICIENT OF VARIATION = 119.62850926553%

TANDARD ERROR OF THE MEAN = 4.4621349095411

MINIMUM = 6MAXIMUM = 159

SUM = 1676.0000000001 SUM OF SQUARES = 115744.00000001 DEVIATION SS .= 68134.237288136

1ST MOMENT = 0 2ND MOMENT = 1154.8175811548 3RD MOMENT = 91440.562082772 MOMENT COEFFICIENT OF SKEWNESS = 2.330069131548 4TH MOMENT = 11529048.60198 MOMENT COEFFICIENT OF KURTOSIS = 8.6450338065371

ORMAL DISTRIBUTION GOODNESS OF FIT TEST:

HE HYPOTHESIS THAT THE POPULATION IS NORMAL OF MEAN 28.406779661018 AND TD. DEV. 34.274308586838 CAN BE REJECTED AT THE 95% CONFIDENCE LEVEL

CHI SQUARE = 100.593, D.F. = 5, P =-4.486E-07

VARIABLE NAME: drg138

N = 15

ARITHMETIC MEAN = 33,473684210526

SAMPLE STD. DEV. = 16.774214408009 SAMPLE VARIANCE = 281.37426900586 COEFFICIENT OF VARIATION = 50.11164681638%

POPULATION STD. DEV. = 16.326821397716 POPULATION VARIANCE = 266.56509695292 COEFFICIENT OF VARIATION = 48.775095370536%

STANDARD ERROR OF THE MEAN = 3.8482687085155

MINIMUM = 6 MAXIMUM = 64

SUM = 635.99999999999 SUM OF SOUARES = 26353.999999999 DEVIATION.55 = 5064.7368421054

1ST MOMENT = 0 2ND MOMENT = 266.56509695292 3RD MOMENT = -1307.1724741216 MOMENT COEFFICIENT OF SKEWNESS = -.3003502295921 4TH MOMENT = 161911.98:36473 MOMENT COEFFICIENT OF KURTOSIS = 2.2786228128728

ORMAL DISTRIBUTION GOODNESS OF FIT TEST:

HE PYPOTHESIS THAT THE POPULATION IS NORMAL OF MEAN 33.473684210526 AND DEV. 16.774214408009 CANNOT BE REJECTED AT THE 95% CONFIDENCE LEVEL

Chi SOUARD = 7.586, D.F. = 5, P = .1843

ARITHMETIC MEAN = 28.217391304348

SAMPLE STD. DEV. = 8.974491739162 SAMPLE VARIANCE = 80.541501976286 COEFFICIENT OF VARIATION = 31.804824345258%

POPULATION STD. DEV. = 8.7772260733409 POPULATION VARIANCE = 77.039697542535 COEFFICIENT OF VARIATION = 31.105731846971%

TANDARD ERROR OF THE MEAN = 1.8713108864514

MINIMUM = 11MAXIMUM = 52

SUM = 649SUM OF SQUARES = 20085 DEVIATION SS = 1771.9130434783

1ST MOMENT = 0

and moment = 77.039697542535 3RD MOMENT = 49.35514095514

MOMENT COEFFICIENT OF SKEWNESS = 7.2989525936948E-@2

4TH MOMENT = 22918.235347931

MOMENT COEFFICIENT OF KURTOSIS = 3.8614644127023

GRMAL DISTRIBUTION GOODNESS OF FIT TEST:

IME HYPOTHESIS THAT THE POPULATION IS NORMAL OF MEAN 20.217391324348 AND TD. DEV. 8.974491739162 CAN BE REJECTED AT THE 95% CONFIDENCE LEVEL

CHI SOUARE = 12.130, D.F. = 5, P = .0330

VARIABLE NAME: drg143 N = 26

ARITHMETIC MEAN = 26.884615384616

SAMPLE STD. DEV. = 13.685983846482 SAMPLE VARIANCE = 187.30615384616 COEFFICIENT OF VARIATION = 50.906377683623%

POPULATION STD. DEV. = 13.420211287679 POPULATION VARIANCE = 180.10207100593 COEFFICIENT OF VARIATION = 49.917810225987%

STANDARD ERROR OF THE MEAN = 2.6840422575357

MINIMUM = 4 MAXIMUM = 64

SUM = 699.00000000000 SUM OF SQUARES = 23475.0000000001 DEVIGTION ES - 4660.6505461541

1ST MOMENT = 0 2ND MOMENT = 180.10207100593 3RD MOMENT = 689.690714569 MOMENT COEFFICIENT OF SKEWNESS = .28534897628879 4TH MOMENT = 118448.66853156 MUMENT COEFFICIENT OF KURTOSIS = 3.4665199750161

CORMAL DISTRIPUTION SCODNESS OF FIT TEST:

HE HYPOTHESIS THAT THE POPULATION IS NORMAL OF MEAN 26.884615384616 AND TD. DEV. 13.005983846482 CANNOT BY REJECTED AT THE 95% CONFIDENCE LEVEL

ARITHMETIC MEAN = 14.380952380953

SAMPLE STD. DEV. = 7.6123333510574 SAMPLE VARIANCE = 57.94761904762 CEFFICIENT OF VARIATION = 52.933443831854%

POPULATION STD. DEV. = 7.4288766726054

POPULATION VARIANCE = 55.188208616781

CCEFFICIENT OF VARIATION = 51.657751696923%

TA DARD ERROR OF THE MEAN = 1.6611473236408

MINIMUM = 4 MAXIMUM = 31

1ST MOMENT = @

ND MOMENT = 55.188208616781 RD MOMENT = 233.5391426411

MOMENT COEFFICIENT OF SKEWNESS = . SC962656602677

TH MOMENT = 6861.10234933

DMENT COEFFICIENT OF KURTOSIS = 2.2526893367365

OR AL DISTRIBUTION GOODNESS OF FIT TEST:

HE HYPOTHESIS THAT THE POPULATION IS NORMAL OF MEAN 14.380952380953 AND TO DEV. 7.6123333510574 CANNOT BE REJECTED AT THE 95% CONFIDENCE LEVEL

CHI SQUARE = 9.857, D.F. = 5. P = .0794

ARITHMETIC MEAN = 18.382352941177

SAMPLE STD. DEV. = 6.1841180056678 SAMPLE VARIANCE = 38.243315508024 COEFFICIENT OF VARIATION = 33.641601950832%

POPULATION STD. DEV. = 6.0924963775721 POPULATION VARIANCE = 37.118512110729 COEFFICIENT OF VARIATION = 33.143180293991%

STANDARD ERROR OF THE MEAN = 1.0605674883263

MINIMUM = 4 MAXIMUM = 29

1ST MOMENT = 0 2ND MOMENT = 37.118512110729 3RD MOMENT = -53.897720333832 MOMENT COEFFICIENT OF SKEWNESS = -.23833320744034 4TH MOMENT = 3300.9985220785 MOMENT COEFFICIENT OF KURTOSIS = 2.3958753060582

MORMAL DISTRIBUTION GOODNESS OF FIT TEST:

THE KYPOTHESIS THAT THE POPULATION IS NORMAL OF MEAN 18.382352941177 AND STD. DEV. 6.1841180056678 CAN BE REJECTED AT THE 95% CONFIDENCE LEVEL

CHI SOUARE = 12.118, D.F. = 5, P = .0032

ARITHMETIC MEAN = 18.382352941177

SAMPLE STD. DEV. = 6.1841180056678 SAMPLE VARIANCE = 38.243315508024 COEFFICIENT OF VARIATION = 33.641601950832%

POPULATION STD. DEV. = 6.0924963775721 POPULATION VARIANCE = 37.118512110729 COEFFICIENT OF VARIATION = 33.143180293991\*

STANDARD ERROR OF THE MEAN = 1.0605674883263

MINIMUM = 4 MAXIMUM = 29

SUM = 625.000000000002 SUM OF SQUARES = 12751.000000001 DEVIATION SS = 1262.0294117648

1ST MOMENT = 0

2ND MOMENT = 37.118512110729 3RD MOMENT = -53.897720333832

MOMENT COEFFICIENT OF SKEWNESS = -.23833320744034

4TH MOMENT = 3300.9985220785

MOMENT COEFFICIENT OF KURTOSIS = 2.3958753060582

MORMAL DISTRIBUTION GOODNESS OF FIT TEST:

THE HYPOTHESIS THAT THE POPULATION IS NORMAL OF MEAN 18.382352941177 AND STD. DEV. 6.1841180056678 CAN BE REJECTED AT THE 95% CONFIDENCE LEVEL

CHI SOUARE = 12.118, D.F. = 5, P = .0332

ARITHMETIC MEAN = 34.095238095238

SAMPLE STD. DEV. = 16.732915950022 SAMPLE VARIANCE = 279.99047619048 COEFFICIENT OF VARIATION = 49.076988121573%

POPULATION STD. DEV. = 16.389653896268 POPULATION VARIANCE = 266.65759637188 COEFFICIENT OF VARIATION = 47.894236287937%

TANDARD ERROR OF THE MEAN = 3.6514216161099

MINIMUM = 10 MAXIMUM = 74

SUM = 716 SUM OF SOUARES = 30012 DEVIATION SS = 5599.8095238095

1ST MOMENT = 0

2ND MOMENT = 266.65759637188 3RD MOMENT = 2994.192203866

MOMENT COEFFICIENT OF SKEWNESS = .68762037218224

4TH MOMENT = 217690.93852879

MOMENT COEFFICIENT OF KURTOSIS = 3.0614870839467

DRMAL DISTRIBUTION GOODNESS OF FIT TEST:

THE HYPOTHESIS THAT THE POPULATION IS NORMAL OF MEAN 34.095238095238 AND STD. DEV. 16.732915950022 CANNOT BE REJECTED AT THE 95% CONFIDENCE LEVEL

CHI SQUARE = 6.048, D.F. = 5, P = .3016

ARITHMETIC MEAN = 14.384615384615

SAMPLE STD. DEV. = 8.6365353927223 SAMPLE VARIANCE = 74.589743589 44

CDEFFICIENT OF VARIATION = 60.040085617857%

POPULATION STD. DEV. = 8.2977148062535 PDPULATION VARIANCE = 68.852071005918 COEFFICIENT OF VARIATION = 57.684648385721%

TANDARD ERROR OF THE MEAN = 2.3953439385246

MINIMUM = 8 MAXIMUM = 30

SUM = 187

SUM OF SDUARES = 3584.939999999 DEVIATION SS = 895.07692307693

1ST MOMENT = 0

2ND MOMENT = 68.852071005918

3RD MOMENT = 681.03686845698

MOMENT COEFFICIENT OF SKEWNESS = 1.192051755029

4TH MOMENT = 12111.194706069

MOMENT COEFFICIENT OF KURTOSIS = 2.5547768385382

FIT TEST: من PRMAL DISTRIBUTION GOODNESS

THE HYPOTHESIS THAT THE POPULATION IS NORMAL OF MEAN 14.384615384615 AND TD. DEV. 8.6365353927223 CAN BE REJECTED AT THE 95% CONFIDENCE LEVEL

CHI SQUARE = 20.846, D.F. = 5, P = 8.657E-04

ARITHMETIC MEAN = 14.614754098361

SAMPLE STD. DEV. = 9.0298514735722 SAMPLE VARIANCE = 81.538217634774 COEFFICIENT OF VARIATION = 61.785859774301%

POPULATION STD. DEV. = 9.0113266818138 POPULATION VARIANCE = 81.20404461168 COEFFICIENT OF VARIATION = 61.659119415662\*

STANDARD ERROR OF THE MEAN = .5780770044668

MINIMUM = 6 MAXIMUM = 37

SUM = 3566.000000000001 SUM OF SQUARES = 71930.0000000007 DEVIATION SS = 19813.78688525

1ST MOMENT = 0
2ND MOMENT = 81.20404461168
3RD MOMENT = 729.05529317398
MOMENT COEFFICIENT OF SKEWNESS = .996308821693
4TH MOMENT = 15407.809456437
MOMENT COEFFICIENT OF KURTOSIS = 2.3366064800888

MORMAL DISTRIBUTION GOODNESS OF FIT TEST:

THE HYPOTHESIS THAT THE POPULATION IS NORMAL OF MEAN 14.614754098361 AND STD. DEV. 9.0298514735722 CANNOT BE REJECTED AT THE 95% CONFIDENCE LEVEL

CHI SOUARE = 346.885, D.F. = 5, P =1.0000

## APPENDIX G

DRG RELATIVE WEIGHTS (CASE COMPLEXITY INDEX)

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PEON CITIES MECHA + URI MCC 0-17  **LECT ** LETANGOTERETIS ** CECRITIS MECHA + LEFORMITY  **LO ** LETANGOTERETIS ** CHROAT DIAGNOSES AGE >17 ** CHROAT CHROAT DIAGNOSES AGE >17 ** CHROAT CHROAT DIAGNOSES AGE >17 ** CHROAT CHROA	PED CITIS MECIA + URI AGE 0-17  • LARYNGOTRACHETTS  **ID NASAL TRALEA + LEFORMITY  **ID THER EAR, NOSE - THROAT DIAGNOSES AGE >17 %			•
PUTOR * LARYNOTRACHEITIS  **CO * LARNADORRACHEITIS  **CO * LARNADORRACHEITIS  **CO * LARNADORRACHEITIS  **CO * CTHER EAR * NOSE * THROAT DIAGNOSES AGE >17 ***********************************	*CO * LARYNGOTRACHETIS  **CO **CHEK CAR** NOSE **THROAT DIAGNOSES AGE >17 ****  **CTHEK CAR** NOSE **THROAT DIAGNOSES AGE >17 ***  **CTHEK CAR** NOSE **THROAT DIAGNOSES AGE D-17 **  **CTHEK CHEST PROCETURES  **CO **CTHEK CAR** NASE **THROAT DIAGNOSES AGE D-17 **  **CO **CHEK CAR** NASE **THROAT DIAGNOSES AGE D-17 **  **CO **CA*** NASE **THROAT DIAGNOSES AGE SAGO CAR**  **CO ***CA*** NASE ****  **CO ***** NASE ****  **CO ***** NASE *****  **CO ****** NASE *****  **CO ******  **CO *******  **CO ******  **CO ******  **CO ******  **CO ******  **CO ******  **CO *****  **CO *****  **CO *****  **CO *****  **CO *****  **CO *****  **CO ****  **CO ***  **CO **  **CO ***  **CO **  **  **CO **  **CO **  **CO **  **CO **  **  **CO **  **  **CO **  **  **  **  **  **  **  **  **  **	600	• • • •	
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TO DITTER EAR, NOSE - THROAT DIAGNOSES AGE PIT  "TO PELURAL FERNING - THROAT DIAGNOSES AGE POINT  "TO PELURAL FERNING - THROAT DIAGNOSES AGE POINT  "TO PELURAL FERNING - THREATHANDR CHEST WIT C.C.  "TO PELURAL FERNING - THREATHANDR - THREATHANDR C.C.  "TO PELURAL FERNING - THREATHANDR - THREATHANDR C.C.  "TO PELURAL FERNING - THREATHANDR - THREAT	WID DIMER EAR, NOSC - THROAT DIAGNOSES AGE 917  ***CO		P • 0	
TO THER EAR, HOSE + THROAT DISCHOSES AGE D-77 L. F. 2-604  SURG C. CAR, PROCECURES  SURG C. CAR, PROC ON THE FESP SYSTEM EXCEPT MAJOR CHEST LITH C.C.  1.8178  10 PULPCHARY EMBOLISM  PLO RESPIRATORY INFECTIONS + INFLAMMATICNS AGE 269 M/C C.C.  RESPIRATORY INFECTIONS + INFLAMMATICNS AGE 18-69 M/C C.C.  RESPIRATORY INFECTIONS + INFLAMMATICNS AGE 18-69 M/C C.C.  RESPIRATORY INFECTIONS - INFLAMMATICNS AGE 18-69 M/C C.C.  RESPIRATORY INFECTIONS - INFLAMMATICNS AGE 0-17  RESPIRATORY INFECTIONS - INFLAMMATICNS AGE 18-69 M/C C.C.  RESPIRATORY INFECTIONS - INFLAMMATICNS AGE 0-17  RESPIRATORY INFECTIONS - INFLAMMATICNS AGE 18-69 M/C C.C.  RESPIRATORY INFECTIONS - INFLAMMATICNS AGE 18-69 M/C C.C.  RESPIRATORY INFECTIONS - INFLAMMATICNS AGE 18-69 M/C C.C.  RESPIRATORY ENGINEERY C.C.  RESPIRATORY FAILURE  RESP	WID THER EAR, NOSE + IPROAT DIRCHOES BGE D-17. E. C. QUOG MALOR CHEST PROCECURES SUNG CHEST PROCECURES SUNG CHEST PROCECURES SUNG CAR, PROC ON THE FESP SYSTEM EXCEPT MALOR CHEST WITH C.C. SUNG CAR, PROC ON THE FESP SYSTEM EXCEPT MALOR CHEST WITH C.C. WID PULPCHARY EMBOLISM STATEM AND AGE 269 AND/OR C.C. RESPIRATORY INFECTIONS + INFLAMMATIONS AGE 18-69 W/C C.C. WIS PRAIGHT WITHERITANS AGE 18-69 W/C C.C. RESPIRATORY INFECTIONS + INFLAMMATIONS AGE 0-17 RESPIRATORY WEDPLASMS WICH RESPIRATORY WENT WENT WENT WENT WENT WENT WENT WENT	.5217		
SURG CHEST PROCECURES  SURG CAR, PROC ON THE FESP SYSTEM EXCEPT MAJOR CHEST LITH C.C.  SURG CAR, PROC ON THE FESP SYSTEM EXCEPT MAJOR CHEST LITH C.C.  1.8178  10 PULPCHARY EMBOLISM  PEO RESPIRATORY INFECTIONS + INFLAMMATICNS AGE 269 AAD/OR C.C.  1.7465  10 RESPIRATORY INFECTIONS + INFLAMMATICNS AGE 18-69 W/C C.C.  PEO RESPIRATORY INFECTIONS + INFLAMMATICNS AGE 18-69 W/C C.C.  1.7465  PEO RESPIRATORY INFECTIONS + INFLAMMATICNS AGE 0-17  PEO RESPIRATORY INFECTIONS - INFLAMMATICNS AGE 0-17  PEO RESPIRATORY INFECTIONS - INFLAMMATICNS AGE 0-17  PEO RESPIRATORY INFECTIONS - INFLAMMATICNS AGE 0-17  PEO PEURAL FFUSION BGE 269 AND/OR C.C.  PEO PEURAL FFUSION BGE 269 AND/OR C.C.  PEO PEURAL FFUSION AGE 27 W/C C.C.  PEURAL FFUS	SURG "ALCR CHEST PROCETURES  SURG "G.R. PROC ON THE FESP SYSTEM EXCEPT MAJOR CHEST LITH C.C.  SURG "G.R. PROC ON THE FESP SYSTEM EXCEPT MAJOR CHEST LATO C.C.  WED RESPIRATORY INFECTIONS + INFLAMMATIONS AGE 269 AND/OR C.C.  WED RESPIRATORY INFECTIONS + INFLAMMATIONS AGE 18-69 W/C C.C.  WEC RESPIRATORY INFECTIONS + INFLAMMATIONS AGE 0-17  WEC "FESPIRATORY NEOPLASMS  WEC "RESPIRATORY NEOPLASMS  WELL "RESPIRATORY NEOPLASMS	N9 60 6	261	
SURG GOR, PROC ON THE FESP SYSTEM EXCEPT MAJOR CHEST LITH C.C.  SURG COR, PROC ON THE FESP SYSTEM EXCEPT MAJOR CHEST LOC.C.  SURG COR, PROC ON THE FESP SYSTEM EXCEPT WAJOR CHEST LOC.C.  1.4075  PULPICARRY FROLLIS.  PULPICARRY FOR C.C.  PULP	SURG G.R. PROC ON THE FESP SYSTEM EXCEPT MAJON CHEST WITH C.C. SURG G.R. PPOC ON THE FESP SYSTEM EXCEPT MAJON CHEST WID C.C. PTO PESPIRATONY INFECTIONS + INFLAMMATIONS AGE 269 AND/OR C.C. PTO PESPIRATONY INFECTIONS + INFLAMMATIONS AGE 18-69 W/C C.C. PTO PESPIRATONY INFECTIONS + INFLAMMATIONS AGE 18-69 W/C C.C. PTO PESPIRATONY NEOPLASMS + INFLAMMATIONS AGE 0-17 PTO PESPIRATONY NEOPLASMS  PTO PAJON CHEST TRAUMF AGE 269 AND/OR C.C.			-
SURS CON THE FESP SYSTEM EXCEPT MAJOR CHEST N/O C.C.  1.8178 19 10 11.8178 11.	SURS: COM, PPOC ON THE FESP SYSTEM EXCEPT MAJOR CHEST M/O C.C.  ***CO RESPIRATORY INFECTIONS + INFLAMMATIONS AGE 369 ANO/OR C.C.  **CC RESPIRATORY INFECTIONS + INFLAMMATIONS AGE 38-69 W/C C.C.  **CC RESPIRATORY INFECTIONS + INFLAMMATIONS AGE 0-17  **CC RESPIRATORY INFORMATIONS + INFLAMMATIONS AGE 0-17  **CC RESPIRATORY INFECTIONS + INFLAMMATIONS AGE 0-17  **CC RESPIRATORY INFORMATIONS + INFLAMMATIONS AGE 0-17  **CC RESPIRATORY INFORMATIONS + INFLAMMATIONS AGE 0-17  **CC RESPIRATORY INFECTIONS AGE 0-17  **CC RESPIRATORY INFERENCE INFER			
PULPGNARY EMBOLISM  PULPGNARY EMBOLISM  PUC RESPIRATORY INFECTIONS + INFLARMATIONS AGE 369 AND/OR C.C.  1.7945  10  PUC RESPIRATORY INFECTIONS + INFLARMATIONS AGE 369 AND/OR C.C.  PUC RESPIRATORY INFECTIONS + INFLARMATIONS AGE 3617  PUC RESPIRATORY NECDLASMS  PUC RESPIRATORY MEDPLASMS  PUC RESPIRATORY MEDPLASMS  PUC RESPIRATORY AGE 369 AND/OR C.C.  PUC RESPIRATORY FAILURE  PUC RESPIRATORY FAILURE  PUC REPURANT ECEMA + RESPIRATORY FAILURE  PUC REMONIT CESTRUCTINE, PULMONARY DISEASE  PUC REMONIT CESTRUCTINE, PULMONARY DISEASE  PUC SIMPLE PAEUMONIA + PLEURISY AGE 18-67 W/O C.C.  PUCD SIMPLE PAEUMONIA + PLEURISY AGE 18-67 W/O C.C.  PUCD SIMPLE PAEUMONIA + PLEURISY AGE 18-67 W/O C.C.  PUCD SIMPLE PAEUMONIA + PLEURISY AGE 18-67 W/O C.C.	PULPGVARY EMBOLISP PUD RESPIRATORY INFECTIONS + INFLAMMATICNS AGE 369 AND/OR C.C. RESPIRATORY INFECTIONS + INFLAMMATICNS AGE 18-69 W/C C.C. RESPIRATORY INFECTIONS + INFLAMMATICNS AGE 0-17 RESPIRATORY INFECTIONS + INFLAMMATICNS AGE 0-17 RESPIRATORY INFORMATICNS AGE 0-17 RESPIRATORY INFORMATICNS + INFLAMMATICNS AGE 0-17 RESPIRATORY - INFLAMMAT	8/ IS I	5.6	
PEO RESPIRATORY INFECTIONS + INFLARMATICNS AGE 269 AAAAOAR C.C.  PEC RESPIRATORY INFECTIONS + INFLARMATICNS AGE 18-69 B/C C.C.  PEC RESPIRATORY RECUTIONS + INFLARMATICNS AGE 0-17  PEC RAJOR CHEST TRAUMA AGE 77 N/C C.C.  PECURAL EFUSION AGE 77 N/C C.C.  PEC PECURAL EPURCONIA PECURAL AGE 18-47 N/C C.C.  PEC PECURAL EPURCONIA PECURIS AGE 18-47 N/C C.C.  PEC PECURAL EPURCONIA PECURIS AGE 18-47 N/C C.C.	PCD RESPIRATORY INFECTIONS + INFLAMMATIONS AGE 269 AND/OR C.C. RESPIRATORY INFECTIONS + INFLAMMATIONS AGE 18-69 W/C C.C. RESPIRATORY INFECTIONS + INFLAMMATIONS AGE 0-17 RESPIRATORY REDPLASMS TO RESPIRATORY REDPLASMS TO RESPIRATORY REDPLASMS TO RESPIRATORY RE	•	1.0	
PCC RESPIRATORY INFECTIONS - INFLAMMATIONS AGE 18-69 W/C C.C. 17445 10.  **CC **CSFIRATORY INFECTIONS - INFLAMMATIONS AGE 0-17  **CC **CSFIRATORY MEDPLASMS	PEC RESPIRATORY INFECTIONS & INFLAMMATIONS AGE 18-69 M/C PEC * "ESFIGATORY INFECTIONS & INFLAMMATIONS AGE 0-17 PEC RESPIRATORY WEDPLASMS PEC , " MAJOR CHEST TRAUMF AGE Y69 AND/OR C.C	4		
PECON RESPIRATORY INFECTIONS - INFINANTIONS DEE 0-17  PECON RESPIRATORY REDPLASMS  PECON RESPIRATORY RESPIRATORY C.C.  PECON PELONA CHEST TRALMY AGE 76 MOZOR C.C.  PECON PELONA CHEST TRALMY AGE 77 LF 5  PECON PELONA CEC 77 LF C.C.  PECON PELONA CEC 77 LF C.C.  PECON PELONA CEC 77 LF C.C.  PECON PELONA PELONA PAILURE  PECON PELONA PEROPRATORY FAILURE  PECON PELONA PEROPRATORY PAILURE  PECON PEROPRATORY PAILURE  PEROPRATORY PEROPRATORY PAILURE  PEROPRATORY PE	PEC PESPIRATORY INFERTIONS + INFLAVATIONS AGE OF THE NEW PROPLASMS FEC , ** MAJOR CHEST TRAUMF AGE Y69 AND/OR C.C. C.C.	1.7445	10.4	
PECO RESPIRATORY NEOPLASMS  PEC , MAJOR CHEST TRAUMA AGE D69 AND/OR C.C.  PECO PECURAL EFFUSION BGE C75 L/C C.C.  1.1217  1.5529  PECO CHRONIC CESTRUCTINE, PULMONARY DISEASE  PECO CHRONIC CESTRUCTINE, PULMONARY DISEASE  PECO SIPPLE PREUMONIA + PLEURISY AGE 18-67 U/O C.C.  PECO SIPPLE PREUMONIA + PLEURISY AGE 18-67 U/O C.C.	PED RESPIRATORY MEDPLASMS FEC , MAJOR CHEST TRAUMF AGE 769 AND/OR C.C. FED . PAJOR CMEST TRAUMF AGE 775 6/0 C.C.	. S. C. B. C.	6.1	•
#CC   FAJOR CHEST TRAUMF AGE 569 AND/OR C.C.   7728   5729   5720   7729   5720   7729   7729   7720   7729   7720	MEC : MAJOR CHEST TRAUME AGE 369 END/OR C	0041-1 N. Wallet	. 4.4	٠,٠
* PAJCH CHEST TRALM AGE <75 %/C C.C. PLEURAL EFFUSION BGE S69 AND/CR C.C. PLEURAL EFFUSION AGE <77 W/C C.C. FILPRANT ECEMA * RESPIRATORY FAILURE CHACKIE CESTAUCTINE, PULMONARY DISEASE SIMPLE PAEUMONIA * PLEURISY AGE 369 AND/CR C.C. \$IMPLE PAEUMONIA * PLEURISY AGE 18-67 W/O C.C.	. PAJCR CHEST TRALF AGE KNT 6/C C	6086*	8.1	•
PLEURAL EFFUSION BGE >69 ANE/CR C.C.  PLEUPAL EFFUSION AGE <77 W/C C.C.  FLIPTAIRY ECEMA + RESPIRATORY FAILURE CHRONIC CESTAUCTINE, PULMONARY DISEASE SIMPLE PAEUMONIA + PLEURISY AGE >69 AND/OR C.C.  SIMPLE PAEUMONIA + PLEURISY AGE 18-47 W/O C.C.		977E	F	
PIEUPAL EFFUSION 2GE 477 W/C C.C. FILPCALAY ECEMA + RESPIRATORY FAILURE CHRONIC CESTRUCTINE PULHONARY DISEASE SIMPLE PAEUMONIA + PLEURISY AGE 269 AND/OR C.C. SIMPLE PAEUMONIA + PLEURISY AGE 18-47 W/O C.C.	PLEURAL EFFUSION BGE 369 AND/CR	1.1.61	<b>*</b>	
FILPTARY ECEPA + RESPIRATORY FAILURE CHRONIC CESTRUCTINE PULMONARY DISEASE SIMPLE PACUMONIA + PLEURISY AGE >69 AND/OR C.C. SIMPLE PACUMONIA + PLEURISY AGE 18-47 W/O C.C.	PIEUFAL EFFUSION AGE KTT WAS CAC	1.1217	7.f	
CHRONIC CESTRUCTIVE, PULMONARY DISEASE SIMPLE PACUMONIA + PLEURISY AGE 269 AND/OR C.C. SIMPLE PACUMONIA + PLEURISY AGE 18-67 W/O C.C.	FLLPCARRY ECEPA . RESPIRATORY FAI	1.5529	7.1	
SIMPLE PACUFONIA - PLEURISY AGE 369 AND/OR C.C. SIMPLE PACUFONIA - PLEURISY AGE 18-47 W/O C.C.	CAMBRIC CESTRUCTIVE, PULMONARY DIS	1.0412		
SIMPLE PACUPCHIA' - PLEURISY AGE 18-47 W/O C.C.	SIMPLE PLEUMONIA + PLEURISY AGE V69 AND	1.1029	60	
	SIMPLE PACUPCAIN' + PLEURISY AGE 18-4	0 T W O T	9	2

PECFOR DATA FORE PLEASE SUPPLEMENTED BY DATA FROM PARYLAND AND MICHTGAN FOR LOW VOLUME ORGS," CLUM, NATURED FO CATEGORIES GOVERNED AND CASE MIX INDEX.

ORGS A69 AND ATE CATAIN CASES WHICH COULD NOT, BE ASSIGNED TO VALID CROS. OF CATAIN CASES WHICH COULD NOT, BE ASSIGNED TO VALID CROS. 

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	### ##################################	A + PLEURISY AGE 0-		•	
### #### #### #### #### #### #### ##### ####	PECO PECONALING OF PECO PECO PECO PECO PECO PECO PECO PECO	DISCASE AGE >69 AND/OR	1.0370	B•4	28
* #CD * PREUDINGMAN AGE CTA * * * * * * * * * * * * * * * * * * *	## ###################################	DISEASE ACE <70 M/O	.9724	6.9	27
### ### #### #### #### #### ##### ######	## ## ## ## ## ## ## ## ## ## ## ## ##	369 AND/OR	1.4374	9.2	29
######################################	000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<75 b/0 C.C.	1.1252	7:7	28
**************************************	97	ASTHYA AGE VEG AND/OR	• 1996	6.9	2
WEED WESPIRATORY SIGNS SYMPTONS AGE CATO WAYOR C.C.  4 WED WESPIRATORY SIGNS SYMPTONS AGE CATO WAYOR C.C.  5 UNG WESPIRATORY SIGNS SYMPTONS AGE CATO WAYOR C.C.  5 UNG WESPIRATORY SIGNS SYMPTONS AGE CATO WAYOR C.C.  5 UNG WEART TRANSPLANT  6 UND T	000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ASTHPA AGE 18-69 W/D	. • 7256	2•9	2
### NECT ####################################	00	PA AGE 0-17	4275	3.7	. 11
11	OC & MED CALER RESPIRA	+ STAPTORS AGE 369 AND FOR C	.0035	5.5	. 56
A WECO   CTHER RESPIRATOR DIAGNOSES AGE 756 AND/OR C.C.   ********************************	OZ 4 PED CIPER RESPIRA	+ SYMPTOMS AGE <70 W/O C.	.7730	5.1	24
1   2   2   2   2   2   2   2   2   2	CONTRACTOR CONTRACTOR ACCOUNTS TO THE PROPERTY OF THE PROPERTY	DIAGNOSES AGE >69 AND/OR	9035	<b>8.9</b>	. 27
3 SURG ** CRRDIACY VALVE PROCEDURE WITH PUMP * WIO CARDIAC CATH  5 SURG ** CRRDIACY VALVE PROCEDURE WITH PUMP * WIO CARDIAC CATH  5 SURG ** CRRDIACY VALVE PROCEDURE WITH PUMP * WIO CARDIAC CATH  5 SURG ** COROLARY EPASS WITH CARDIAC CATH  5 SURG ** COROLARD CATH  5 SURG ** COROLARD CATH  5 SURG ** CRRDIACY CATH  6 SURG ** CRRDIACY CATH  6 SURG ** CRRDIACY CATH  6 SURG ** CRRDIACY CATH  7 SURG ** CRRCIAL OFF CATH  7 SURG ** CRRDIACY CATH  7 SURG ** CRRCIAL OFF CATH  7 SURG ** CRRDIACY CATH  7 SURG ** CRRCIAL OFF CATH  7 SURG ** CRRDIACY CATH  7 SURG ** CRRDIACY CATH	CARACT COLOR OF THE	DIAGNOSES AGE <	*206*	6.1	56
2 SURG	US SCRG BYENNINGP	•.	.0000		•
105 5 SING ** COROMARY PERSON WILL POUR ** NAO CARDIAC CATH  5 SING ** COROMARY PERSON WILL CATH  5 SING ** COROMARY PERSON WILL CATH  6 SING CARDIOTHER PROSECUES CATH  6 SING CARDIOTHER PROSECUES AGE ** SANDOR C.C.*  7 SING CARDIOTHER PROSECUES AGE ** SANDOR C.C.*  8 SING CARDIOTHER PROSECUES AGE ** SANDOR C.C.*  8 SING CARDIOTHER PROSECUES AGE ** SANDOR C.C.*  8 SING FRANCE CORONS RECUES AGE ** SANDOR C.C.*  8 SING FRANCE CORONS RECUES AGE ** SANDOR C.C.*  8 SING FRANCE CORONS RECUES AGE ** SANDOR C.C.*  8 SING FRANCE CORONS RECUES AGE ** SANDOR C.C.*  8 SING FRANCE CORONS RECUES AGE ** SANDOR C.C.*  8 SING FRANCE CORONS RECUES AGE ** SANDOR C.C.*  8 SING FRANCE CARDIAC PACKAMER PULSE GENERAL CREEK AFT CATH  8 SING FRANCE CARDIAC PACKAMER PULSE GENERAL CREEK AFT CATH  8 SING FRANCE CARDIAC PACKAMER PULSE GENERAL CREEK AFT CATH  8 SING FRANCE CARDIAC PACKAMER PULSE GENERAL CREEK CATH  8 SING CARDIAC PACKAMER PULSE GENERAL CREEK CATH  8 SING FRANCE CARDIAC PACKAMER PULSE GENERAL CREEK CATH  8 SING CARDIAC CATH  8 SING CARDIAC CATH  8 SING CARDIAC CATH  8 SING CATH  8 S	04 5 SURG ++ CARDIAC VALV	CEDURE WITH PUMP + WITH CARDIAC	6.8527	20.9	-
25 SUNG CARDIOTHORATE TRANSS WITH PURP 25 SUNG CARDIOTHORATE PRACES WITH PURP 26 SUNG CARDIOTHORATE TRANSS WITH PURP 27 SUNG CARDIOTHORATE PRACEDURES AGE 'SES AND/OR C.C. 28 SUNG CARDIOTHORATE PRACEDURES AGE 'SES AND/OR C.C. 28 SUNG WALDER RECKERS RUCTIVE VASCULAR PROCEDURES AGE 'SES AND/OR C.C. 28 SUNG WALDER RECKERS RUCTIVE VASCULAR PROCEDURES AGE 'SE AND/OR C.C. 28 SUNG WALDER RECKERS RUCTIVE VASCULAR PROCEDURES AGE 'SE AND/OR C.C. 28 SUNG WALDER RECKERS RUCTIVE RECONSTRUCTION 28 SUNG WALDER RECKERS RUCTIVE RECONSTRUCTION 39 SUNG WALDER RECKERS RUCTIVE RECONSTRUCTION 30 SUNG CARDIOC PACCHAREN PROLES ERREATOR REPLACEMENT ONLY 31 SUNG CARDIOC PACCHAREN PROLES ERREATOR REPLACEMENT ONLY 32 SUNG CARDIOC PACCHAREN PROLES ERREATOR CANDON	05 SURG ** CARDIAC VALVE	PRUCEDURE WITH PUMP + W/O CARDIAC	5.2308	16.2	36
95 SURG CARDIOTHORNER PROCEEDERS AND CARDIA SAND AND CAC. 105 SURG CARDIOTHORNER PROCEEDERS AND CAC. 106 SURG CARDIOTHORNER PROCEDURES AND CAC. 107 SURG CARDIOTHORNER PROCEDURES AND CAC. 108 SURG CARDIOTHORNER PROCEDURES AGE (16 M/O.C.) 108 SURG CALLAR RECEDURES CACETY PLAND RECORDER TO CAC. 109 SURG CALLAR RECEDURES CACETY PLAND RECORDER TO CAC. 109 SURG CALLAR RECEDURES CACETY PLAND RECORDER TO CAC. 100 SURG CARDIAC PACEMBER PROLATION FOR CHE CACETY CAC. 100 SURG CARDIAC PACEMBER PROLATION FOR CHE CAC. 100 SURG CARDIAC PACEMBER PROLATION FOR CHE CAC. 100 SURG CARDIAC PACEMBER PROLATION FOR CHE CAC. 100 CARDIAC PACEMBER PROLATION CAC. 100 CAC. 1	OS . S SURG CORONARY EYPA	S LITH CARDIAC	5.2624	20.4	•
9 SUNG CARDIOTATION PROCEDERS ALO PUPP 10 SUNG CARDIOTATION PROCEDERS ALO PUPP 11 SUNG CARDIOTATION PROCEDERS AGENCY AND PURP 12 SUNG PAJOR RECEINTENTITY VANCELAR PROCEDINGS AGENCY AND CAC. 13 SUNG PAJOR RECEINTENTITY VANCELAR PROCEDINGS AGENCY AND CAC. 14 SUNG PAJOR RECEINTENTITY VANCELAR PROCEDINGS AGENCY AGENCY AND CAC. 15 SUNG PATOR RECEINTENTITY PROCEDINGS AGENCY AG	07 5 SURG . CCRONARY EYPA	W/O CARDIAC CAT	3.9891	13.5	<b>*</b>
10 5 SURG PRAJOR RECKNS RUCTIVE VASCULAR PROCEDURES AGE 765 AND/OR C.C. 2-5953 13 5 SURG PRAJOR RECKNS RUCTIVE VASCULAR PROCEDURES AGE 776 W/O C.C. 2-5953 13 5 SURG PRAJOR RECKNS RUCTIVE VASCULAR PROCEDURES AGE 776 W/O C.C. 2-5953 13 5 SURG PREVIOUS RECKNS RUCTIVE CONTRACTOR C.C. 2-5953 13 5 SURG PREVIOUS CARDIAC PREVIOUS RECKNS RUCTIVE C.C. 2-5953 13 5 SURG REPRAJOR CARDIAC PREVIOUS RECKNS RUCTIVE C.C. 2-560 12 SURG CARDIAC PREVIOUS RECKNS RUCTIVE C.C. 2-560 12 SURG CARDIAC PREVIOUS RECKNS RUCTIVE C.C. 2-660 12 SURG CARDIAC PREVIOUS RECKNS RUCTIVE C.C. COMP. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C	38 5 SURG CARDIGIHER PR	· EXCEPT VALVE +	4.3756	13.3	33
11 5 SURG FRECHER FRECHENTING WASCULAR PROCEDURES AGE 765 AND/OR C.C. 2.9328 11 5 SURG FRECHENTRUCTIVE WASCULAR PROCEDURES AGE 765 AND C.C. 2.5551 12 5 SURG FRECHENT FRECHENTRUCTION FOR CRECHENGE AGE 76 2.5551 13 5 SURG FRECHENT FROM MARTHAN FRECHENT FREC	09 E SURG . CARDIOTHORACT	PACCEDIRES 6/0 PUPP	2.6963	12.1	32
115 5 SURG FRANCES TRECESTED FRANCE RECORDERS LIMB + TOE 2-3551  2 5 SURG PRAJOR FRECUENTES EXCEPT FRANCE LIMB + TOE 2-3550  2 5 SURG PRANCENT CARCIAGE FRECEDINES EXCEPT UPFER LIMB + TOE 2-3660  2 5 SURG PREMACRY CARCIAGE PRECRAKE IPPLANT WITH ANY CREEK REFLORE TO STATE TO	10 . 5 SURG WAJOR RECENST	TIVE WASCULAR PROCEDURES AGE > 65 AND/OR C	2.9328	14.3	• n
12 SURG VASCLEAR RECCEDINGS EXCEPT FAGOR RECONSTRUCTION. 13 SURG APPUTATION, FOR CIFC SYSTEM DISCROERS 14 SURG UPPER LINE + TOE JAPUTATION FOR CIPC SYSTEM DISCROERS 15 SURG CAPTOR DATCHARKE PEDLAT LATE AT CR. THE ST. THE S	11 5 SURG TALOR RECENST	TIVE VASCULAR PROCEDURES AGE <70	2.5851	13.2	33
13 SURG APPUTATION FOR CITE SYSTEM DISCRERS 14 SURG APPUTATION FOR CITE SYSTEM DISCRERS 15 SURG APPUTATION FOR CITE SYSTEM DISCRERS 16 SURG APPUTATION FOR CITE SYSTEM DISCRERS 17 SURG APPUTATION FOR CITE SYSTEM DISCRERS 18 SURG ARRANGY CARDIAC PACEMARER IPPLANT WITH ANY CREEKEN SELD NIT AND ANY AND	12 S SURG ' MASCLEAR FROC	EXCEPT #AJOR RECONSTRUCTION	2.3566	11.2	31
14 5 SURG UPPER LINE 4 TOE MANCHATON FOR CIRC SYSTEM DISCRDERS  15 5 SURG FERNANNY CARDIAC PACCHARER IPPLANT JUT AND CR CHF  16 5 SURG FERNANNY CARDIAC PACCHARER IPPLANT JUT AND CR CHF  17 5 SURG CARDIAC PACCHARER PEPLANT JUT AND CR CHF  18 5 SURG CARDIAC PACCHARER PEPLANT JUT AND CR CHF  19 5 SURG VIN LICATION + STRIPPING CREATOR REPLACEMENT ONLY  19 5 SURG VIN LICATION + STRIPPING CREATOR REPLACEMENT ONLY  20 SURG VIN LICATION + STRIPPING CREATOR REPLACEMENT ONLY  21 5 MCC CARDIAC PACCHARER DISCREES OF LAND CR CATH LOCATOR CREATOR CRE	IS SURG . APPUTATION FC	IFC SYSTEM CISORDERS EXCEPT UPPER LIMB +	2.6800	21•6	<b>4</b> 5
15 5 SURG FERRANGENT CARDIAGE PACHANER INPLANT WITH ANT CR CHE  5 SURG CARDIAC PACENARER REPLACE + REVIS EX PULSE GEN REPLONLY  5 SURG CARDIAC PACENARER REPLACE + REVIS EX PULSE GEN REPLONLY  5 SURG CARDIAC PACENARER REPLACE + REVIS EX PULSE GEN REPLONLY  5 SURG CARDIAC PACENARER REPLACE + REVIS EX PULSE GEN REPLONLY  5 SURG CARDIAC PACENARER REPLACE + REVIS GEN REPLONLY  5 SURG CARDIAC PACENARER REPLACE + REVIS GEN REPLONLY  5 SURG CARDIAC PACENARER REPLACE - REVIS GEN REPLONLY  5 SURG CARDIAC PACENARER SUTH ANT + C.V. COMP. DISCH. ALIVE  5 SURG CARDIAC PACENARER SUTH ANT + C.V. COMP. DISCH. ALIVE  5 SURG CARDIAC PACENARER SUTH ANT + C.V. COMP. DISCH. ALIVE  5 SURG CARDIAC PACENARER SUTH ANT + C.V. COMP. CAPP. ALIVE  5 SURG CARDIAC PACENARER SUTH ANT + C.V. COMP. CAPP. ALIVE  5 SURG CARDIAC PACENAR SUTH ANT + C.V. COMP. CAPP. ALIVE  5 SURG CARDIAC PACENAR SUTH ANT + C.V. COMP. CAPP. ALIVE  5 SURG CARDIAC PACENAR SUTH ANT + C.V. COMP. CAPP. ALIVE  5 SURG CARDIAC PACENAR SUTH ANT + C.V. COMP. CAPP. ALIVE  5 SURG CARDIAC PACENAR SUTH ANT + C.V. COMP. CAPP. ALIVE  5 SURG CARDIAC PACENAR SUTH ANT + C.V. COMP. CAPP. ALIVE  5 SURG CARDIAC PACENAR SUTH CAPP. ALIVE  5 SURG CAPP. CAPP. ALIVER CAPP. AND OR CAPP. AND O	14 5 SURG UPPER LINE +	JAPUTATION FOR CIRC SYSTEM	2.1967	16.6	37
SURG CARRIANT CARGINE PACEMAREN PEPLACEMENT ONLY  SURG CARDIAC PACEMAREN PEPLACE - REVISE CENTRED ONLY  SURG CARDIAC PACEMAREN PULSE GENERATOR REPLACEMENT ONLY  SURG CARDIAC PACEMAREN PULSE GENERATOR PUSCES  SURG CARDIAC PACEMAREN PULSE CREATER PULSE ALIVE  SURG CARDIAC PACEMAREN PULSE CREATER PULSE CAPACHEN DISCHARACT PUSCES  SURG CARDIAC PACEMAREN PULSE CREATER PULSE CAPACHEN DISCHARACT PUSCES  SURG CIRCULATORY DISCREERS UITH ANIL EXPONENT CATH OF COMPLEX DIAG  SURG CIRCULATORY DISCREERS EXC APIGNITH CARD CATH OF COMPLEX DIAG  SURG CIRCULATORY DISCREERS EXC APIGNITH CARD CATH OF COMPLEX DIAG  SURG CIRCULATORY DISCREERS EXC APIGNITH CARD CATH OF COMPLEX DIAG  SURG CIRCULATORY DISCREERS EXC APIGNITH CARD CATH OF COMPLEX DIAG  SURG CIRCULATORY DISCREERS EXC APIGNITH CAPACHEN DIAG  SURG CIRCULATORY DISCREERS AGE CAPACHEN DIAG  SURG CARDIAC ARREST  CARDIAC AND AND COMPLETATION OF THE CAPACHEN DIAGS  SURG CATEGORIES CONNINTS IN THE CALCULATION OF THE CASE MIX INDEXA  DUAG CATEGORIES CONNINTS ASSESSMENT OF CASE OF CONNINTS ASSESSMENT DATA EMBER DATA CONNINTS ASSESSMENT DATA CONNINTS ASSESSMENT DATACEMBER DATA CONNINTS ASSESSMENT DATACEMBER DEVENT DATACEMBER DAT	ST CAUSE SERVICE TO SERVICE SE	PACEMAKER INPLANT WITH AFT CR	3.9180	15.8	36
117 5 SURG CARDIAC PREMARKER REPLEE * REVISE CEN REPLONLY 1.8210  128 5 SURG CARDIAC PACEMAKER POLISE GENERATOR REPLACEMENT ONLY 1.6510  129 5 SURG CARDIAC PACEMAKER POLISE GENERATOR REPLACEMENT ONLY 1.6510  120 5 SURG CARDIATON - STRIPPING 1.624 COMP. DISCH 1.6510  120 6 CIRCULATORY DISCREERS WITH ANT 4 C.4. COMP. DISCH 1.6548  120 6 CIRCULATORY DISCREERS WITH ANT 4 C.4. COMP. DISCH 1.3551  120 6 MED CIRCULATORY DISCREERS WITH ANT 4 CAPD CATM 4 COPPLEX DIAG 2.6545  121 6 MED CIRCULATORY DISCREERS EXC ANTAUTH CARD CATM 4 COPPLEX DIAG 2.6545  122 6 MED CIRCULATORY DISCREERS EXC ANTAUTH CARD CATM 4 COMPLEX DIAG 2.6545  123 6 MED CIRCULATORY DISCREERS EXC ANTAUTH CARD CATM 4 COMPLEX DIAG 2.6545  124 7 MED CARDIAC ARREST CANDOCAPOITIS 1.00 C.6. 1.6555  125 7 MED CARDIAC ARREST WASCULUR DISCREERS AGE 265 AND/OR C.C. 1.9953  125 8 MED ATHEROSCLEROSIS ACE 275 W/C C.C. 1.9953  126 8 MED ATHEROSCLEROSIS ACE 275 W/C C.C. 1.9953  127 8 MED ATHEROSCLEROSIS ACE 275 W/C C.C. 1.9953  128 9 MED CARDIAC CENGENTAL 4 VALVILAR DISCREERS AGE 265 AND/OR C.C. 1.9952  128 9 MED ATHEROSCLEROSIS ACE 275 W/C C.C. 1.9953  129 17049  12040 ATHEROSCLEROSIS ACE 275 W/C C.C. 1.9953  12040 ATHEROSCLEROSIS ACE 275 W/C C.C. 1.9952  12040 ATHEROSCLEROSIS ACE 275 W/C C.C. 1.9952  12040 ATHEROSCLEROSIS ACE 275 W/C C.C. 1.9953  12040 ATHEROSCLEROSIS ACE 275 W/C C.C. 1.9952  12040 ATHEROSCLEROSIS ACE 275 W/C C.C. 1.9952  12040 ATHEROSCLEROSIS ACE 275 W/C C.C. 1.9953  12040 ATHEROSCLEROSIS ACE 275	IG GURG - FERTERIAL CAR	T PACHEARTR INPLANT BAC AS OR CYN	2.8665	2.6	53
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19 5 SURC VEIN LIGATION + STRIPPING 2 5 SURC VEIN LIGATION + STRIPPING 2 5 SURC OTHER CAR. PROCECURES ON THE CRECLLATORY SYSTEM 2 5 SURC OTHER CAR. PROCECURES ON THE CAS. COMP. DISCH. ALIVE 2 5 SURC OTHER CAR. PROCECURES WITH AMIL + CAV. COMP. DISCH. ALIVE 2 5 SURC OTHER CLATCHY DISCREERS WITH AMIL + EXPIRED 2 5 SURC OTHER CLATCHY DISCREERS WITH AMIL + EXPIRED DISCREERS WITH AMIL + CAPPLEX DIAG 2 5 SURC OTHER CLATCHY DISCREERS WITH AMIL + CAPPLEX DIAG 2 5 SURC OTHER CLATCHY DISCREERS WITH AMIL + CAPPLEX DIAG 2 5 SURC OTHER CAPPLER OF CAPPLER DISCREERS WE CAPP W/O COMPLEX DIAG 2 5 SURC OTHER DISCREERS WITH AMIL + CAPPLEX DIAG 3 5 SURC OTHER DISCREERS WE CAPP W/O CAC. 3 5 SUC OTHER DISCREERS WE CAPP W/O CAC. 3 5 SUC OTHER DISCREERS WE CAPP W/O CAC. 3 5 SUC OTHER DISCREERS WE CAPP W/O CAC. 3 5 SUC OTHER DISCREERS WE CAPP W/O CAC. 3 5 SUC OTHER DISCREERS WE CAPP W/O CAC. 3 5 SUC OTHER DISCREERS WE CAPP W/O CAC. 3 5 SUC OTHER DISCREERS WE CAPP W/O CAC. 4 SUC OTHER DISCREERS WE CAPP W/O CAC. 5 SUC OTHER DISCREERS WITH W/O CAC. 5 SUC OTHER DISCREERS WITH W/O CAC. 5 SUC OTHER DISCREERS W/O CACK DOWN W/O CAC. 5 SUC OTHER DISCREERS W/O C	18 5 SURG CARDIAC PACEM	A PULSE GENERATOR REPLACEMENT	1.7809	7.2	2
SUNG OTHER DERIVERS ON THE CIRCLAIDRY SYSTEM  2. SHED STORTERS WITH AMISTORY DISCREES ALIVE  2. SHED STORTELATORY DISCREES WITH AMISTORY COMP. DISCR. ALIVE  2. SHED STORTERS WITH AMISTORY COMP. DISCR. ALIVE  2. SHED CIRCLATORY DISCREES EXC AMISMITH CARD CATH STORMER DIAG  2. SHED CIRCLATORY DISCREES EXC AMISMITH CARD CATH WAS COMPLEX DIAG  2. SHED CIRCLATORY DISCREES EXC AMISMITH CARD CATH WAS COMPLEX DIAG  2. SHED CIRCLATORY DISCREES EXC AMISMITH CARD CATH WAS COMPLEX DIAG  3. SHED CERP VEIN THRONDERIES AND CAC.  3. SHED FERIPHERAL VASCULAR DISCREES AGE SES AND/OR C.C.  3. SHED ATHROSCLEROSIS AGE SES AND/OR C.C.  3. SHED ATHROSCLEROSIS AGE SES AND/OR C.C.  3. SHED CARDIAC ARREST  3. SHED ATHROSCLEROSIS AGE SES AND/OR C.C.  4. SHED AND AT CONTAIN CASES WHICH COULCATION OF THE CASE MIX INDEX.  5. DRG CATGORIES CONDINED AND ATHROND AND THE CASE MIX INDEX.  5. DRG CATGORIES CONDINED AND ATHROND AND THE CASE MIX INDEX.	19 S SURC VEIN LIGATION	5×144	1.0610	7.2	27
STEED SECONDUCTORY DISCREERS WITH ANT SECONDUCTORYS ALIVE 1.88688 1.3561	24 - 3 SURG 04MER 0 - 22	S ON THE CERCLESTORY SYSTEM	2.5254	15.0	en i
25 S MEC CIRCULATORY DISCREERS WITH AMI, EXPIRED CATH - CEPPLEX DIAG 2-270 1-1360 2-270 CIRCULATORY DISCREERS EXC API-WITH CARD CATH - CEPPLEX DIAG 2-270 1-1360 2-270 CIRCULATORY DISCREERS EXC API-WITH CARD CATH W/O COMPLEX DIAG 2-270 1-1665 2-1664 2-	21 S MED CIRCULATORY DI	CERS WITH AMI + C.V. CO	1.8648	11.9	32
ENCOLUMNICATION DISCREERS EXC. API-VITH CARD CATH + CCPPLEX DIAG.  2-2-2-0-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-	22 S MCO ++ CIMCULATORY DI	CONTRACTOR OF CO	1.3651		E F
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SPEC PERMITTED ARREST  SPEC CARDIAC CARCIAR DISORCERS AGE 75 M/G C.C.  SPEC ATTENDED ATTENDED  SPEC CARDIAC CARCIAR DISORCERS AGE 75 M/G C.C.  SPEC ATTENDED ATTAN OF ALVILAR DISCREERS AGE 765 AND/OR C.C.  SPEC CARDIAC CARDIAC CARCIAR DATA FROM MARYLAND AND FICHIGAN FOR LOW VOLUME DRGS.  SPEC CATEGORIES COMBINED & IN PAIRS > 10 THE CALCULATION OF THE CASE MIX INDEX.			2.6645	18.	. e.
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SHED CARDIAC ARREST  SHED FERIPHERAL VASCULAR DISORCERS AGE SE9 AND/OR C.C.  SHED FERIPHERAL VASCULAR DISORCERS AGE CTO M/C C.C.  SHED FERIPHERAL VASCULAR DISORCERS AGE CTO M/C C.C.  ATHEROSCLEROSIS AGE CTO M/O C.C.  SHED ATHEROSCLEROSIS AGE CTO M/O C.C.  SHED ATHEROSCLEROSIS AGE CTO M/O C.C.  HYPERTENSION  HEDPAR DATA MAVE BEEN SUPPLEMENTED BY DATA FROM MARYLAND AND PICHIGAN FOR LOW VOLUME DRGS.  HEDPAR DATA MAVE BEEN SUPPLEMENTED BY DATA FROM MARYLAND AND PICHIGAN FOR LOW VOLUME DRGS.  HOGG CATEGORIES COMBINED (IN PAIRS) IN THE CALCULATION OF THE CASE MIX INDEX.	28 S MED CEEP VEIN THR	OMEOFILE RITIS	.8639	9.6	28
SE SHED FERIPHERAL VASCULAR DISORDERS RGE SEG AND/OR C.C.  SHED FERIPHERAL VASCULAR DISORDERS AGE CAT WAS C.C.  SHED ATHEROSCLEROSIS AGE SEG AND/OR C.C.  SHED ATHEROSCLEROSIS AGE CAT WAS C.C.  HYPERTENSION  MEDPAR DATA MAVE BEEN SUPPLEMENTED BY DATA FROM MARYLAND AND FICHIGAN FOR LOW VOLUME DRGS.  FOG CATEGORIES COMBINED (IN PAIRS) IN THE CALCULATION OF THE CASE MIX INDEX.  POSES 469 AND 476 CONTAIN CASES WHICH COULC NOT BE ASSIGNED TO VALID DRGS.	29 SMED CARDIAC ARRES			9.4	25
SHED FERIPFERAL VASCLIAR DISORCERS AGE <75 M/C C.C.  SHED ATHEROSCLEROSIS AGE >69 AND/OR C.C.  SHED ATHEROSCLEROSIS AGE <77 M/O C.C.  HYPERTENSION  SHED HYPERTENSION  MEDPAR DATA MAVE BEEN SUPPLEMENTED BY DATA FROM MARYLAND AND FICHIGAN FOR LOW VOLUME DRGS.  FOG CATEGORIES COMBINED (IN PAIRS) IN THE CALCULATION OF THE CASE MIX INDEX.  DRGS 469 AND 47E CONTAIN CASES WHICH COULC NOT BE ASSIGNED TO VALID DRGS.	ST. S MED " PERSONERS VA	AR DISORCERS AGE >69	.9645	. 7.1	27
SE SHED ATHEROSCLEROSIS AGE 269 AND/OR C.C.  SE HED ATHEROSCLEROSIS AGE 70 M/O C.C.  SHED HYPERTENSION  SHED HYPERTENSION  SHED CARDIAC CONGENITAL * VALVLLAR DISCREERS AGE 265 AND/OR C.C.  HEDPAR DATA HAVE BEEN SUPPLEMENTED BY DATA FROM MARYLAND AND FICHIGAN FOR LOW VOLUME DRGS.  PGG CATEGORIES COMBINED (IN PAIRS) IN THE CALCULATION OF THE CASE MIX INDEX.	SI SMED FREMIPHERAL VA	IN DISORCERS AGE <75 W	1646	<b>\$.9</b>	<b>5¢</b>
SS SMED ATHEROSCIERCSIS AGE CTG M/O C.C.  SMED HYPERTENSION  SMED CARDIAC CCNGENITAL * VALVILAR DISCREERS AGE 265 AAD/OR C.C.  MEDPAR DATA MAVE BEEN SUPPLEMENTED BY DATA FROM MARYLAND AND FICHIGAN FOR LOW VOLUME DRGS.  PGG CATEGORIES COMBINED (IN PAIRS) IN THE CALCULATION OF THE CASE MIX INDEX.	12 5 MED. ATHEROSCLEROS	15 >69 AND/OR C.C	.9182	5.7.	72
54 S WED HYPERTENSION  55 S MED CARDIAC CONGENITAL * VALVILAR DISCREERS AGE 565 BAD/OR C.C.  79922  FEDPAR DATA MAVE BEEN SUPPLEMENTED BY DATA FROM MARYLAND AND FICHIGAN FOR LOW VOLUME DRGS.  PGG CATEGORIES COMBINED (IN PAIRS) IN THE CALCULATION OF THE CASE MIX INDEX.	35 S MED ATHEROSCLERCS	ACE <71 N/0	.8549	2.5	*÷
35 S MED CARDIAC CCNGENITAL * VALVILIAR DISCREERS AGE 265 AND/OR C.C.  MEDPAR DATA MAVE BIEN SLPPLEMENIED BY DATA FROM MARYLAND AND PICHIGAN FOR LOW VOLUME DRGS.  DRG CATEGORIES COMBINED (IN PAIRS) IN THE CALCULATION OF THE CASE MIX INDEX.	NOTSWELD HADENLERSTON		. 7049	<b>6.1</b>	2¢
MEDPAR DATA HAVE BEEN SLPPLEMENTED BY DATA FROM MARYLAND AND PICHIGAN FOR LOW VOLUME.  • DRG CATEGORIES COMBINED (IN PAIRS) IN THE CALCULATION OF THE CASE MIX INDEX.  •• DRGS 469 AND 476 CONTAIN CASES WITCH COULE NOT BE ASSIGNED TO VALID DRGS.	35 S PED CARDIAC CCRGE	+ VALVLLAR DISCREERS AGE 365 AND/OR	. 9922		<b>56</b>
** DAG CATEGORIES COMBINED (IN PAIRS) IN THE CALCULATION OF THE CASE MIX INDEX.**  • DAG CATEGORIES COMBINED (IN PAIRS) IN THE CALCULATION OF THE CASE MIX INDEX.*  • DAGS 469 AND 476 CONTAIN CASES WITCH COULE NOT BE ASSIGNED TO VALID DRGS.				· · · · · · · · · · · · · · · · · · ·	-
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AND SURG RECTAL  AND G SURG RECTAL  AND G SURG RECTAL  AND G SURG RECTAR  AND G SURG RECT	CIRCULATORY DIAGNOSES W/O C.C.	1.0020	6.4	54
AN G SURG RECTAR	RESECTION JGE SOM ANE/CR C.C.	2.1082	19.1	<b>P</b>
ACOUNTY DESCRIPTION OF SEPTEMBER OF SEPTEMBE	. RESECTION FIGE 470 W/C C.C.	0	17.9	80
	SHALL + LARCE BOWEL PROCEDURES, AGE 369 AND/OR C.C.	•	17.0	78
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SA . 6 SURG STOPAC	THE ESOPHAGE IL + DUDDENAL PROCEDURES AGE 269 AN	2.6901	19.8	SR.
55 E SURG STOMAC	TH. ESOPHAGEAL + DUCDEMAL PROCEDURES AGE 18-69 W	2.3336	13.0	33
56 SURG . + STOMAC	THE ESOPHAGE FL. + DUODENAL PRECEDURES AGE	. 8.70	0.9	20
7 6 SURG PARLP	PRECERES ACE SEG AND/OR C.C.	7985	6.9	25
Programme School Branch Pr	PROCEDURES AKE CIP W/O C.C.	1.54EB	5.0	19
ALKAUA . FRANKI	PRECEDURES EXCEPT INGUINAL + FEMORAL AGE 369 AND	1626	7•1	23
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I 6 SUMG INGUIN	THE A PERSONAL PERSONAL PROCESSINGS AGE 365 AMENCE .	~ "	7.00	9 .
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S 6 PED CIGEST	TIVE MALIGNANCY AGE CTE W/C C.C.	1.0517	1.9	. 27
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182	•• • .		6:STRCENT.+ MISC. DIGEST. Di	=	4.6	
183	9		GRETTER #15C.	.5652	•	
184		•	GASTPOENTERITIS . MISC.	3822	B . B	
185	•	_	L DIS. EXC EXTRACTIONS . RESTORATIO	89	4.2	
186	•	•.	L DIS. EXC EXTRACTIONS RESTORATIONS		6.4	
107	•		CTICAS + RESTORATIONS	3990	2.7	
166	•		-	****	5.1	
189	9		IVE SYSTEM DIAGNOSES AGE 18-6	.6576	S* .	
196	<b>.</b>	•	IVE SYSTEM DIAGNOSES A	.3379	2.1	
141	~	ي	AS. LIVER . SHUNT PROC	4.1791	20.8	
192	~	נ	PINOS PANCREAS. LIVER + SFURT	2.9197	20.1	
5			BILIARY ZRACT PROC EXC. TOT CHOLECY	2.4513	17.3	•
194	^		PILIARY TRACT PACE EXC TOT CHOLECYSTECTORY AGE 470 M	1.9881		
	. ,-	9.	TOTAL CHOLECYSTECTORY WITH C.D.E. AGE 369 AM	2.1690	16.1	٠.
196	•		TOTAL CHOLECYSTECTORY WITH C.D.E. AGE <78	2.0594	15.8	
161	~	•	YSTECTORY M/O C.D.E. AS	1.4869	2.0	
198	.~	*	YSTECTORY M/O C.D.E. AGE <7	1.2752	10.1	
199	•	٤	T DIAENDSTIC PRICEDURE	2.4574	17.9	
230	,~		Y DIACHOSTIC PROCEDURE FOR	2,5818	15.1	
201		٠	BILIARY OR PANCREAS O.R. PROCE	2.7293	. 16.9	_
202	^		ALCCHILIC HEPATITIS	1.1965		
203	~		TELLIGNANCY OF MERCHONILIARY SYSTEM OR PARCHESS	1.0937	6	
2.34	~		PANCHEAS EXCEPT MALIGNANCY	.9682	7.5	
2 35	٦	_	LIVER EXC MALIS + CIRR+ ALC HEPA AGE	1.0422	5.1.	٠
206	~	c	LIVER EXC MALIGOCIRROALC MEPA AGE	.9247	6.9	
<07	•		THE FILIARY TRACT AGE S69 AND/OR	.8492	9.9	
238	•	6	THE EILIARY TRACT A'E <70	.7315	10° 10°	
200	70	e e	FROCECURES	2.2912	17.1	
214	•	&	PROCECURES EXCEPT MAJOR JOINT AGE 365 AND/ON	2.0833	17.8	
211	<b>4</b> 0	•	PROCECURES EXCEPT MAJOR JOINT AGE 10	1.9538	15.9	
215	•	• •	PROCEEURES EXCEFT MAJOR JOINT AGE 6-17	1.7132		
213	<b>æ</b> ï	ဖ	FOR PLSCULOSKELETAL STSTEP	2.1315	14.3	
214	•	ဗ္	PACCETURES AGE 365 AND/C	1.8427	15.6	
215	•	پ	PROCEEURES AGE <70 W/O C.	1.4920	13.1	
216	<b>.</b>	٠	MUSCULUSKELETAL SYSTEM + CONNECTIVE TI	1.55%	11.3	
217	<b>4</b> .		SKR CRFT EXT KANDOFICE PUSC	2.2824	13.1	
218	₩	٥	* HUPER PROC EXC MIP FCOT FEHUR AGE 369 +/C	1.4250	10.4	
219	•	೮	+ PUPER PROC EXC HIPSFCOTSFERUR A	1.0750	K. 0	
225	•		+ HUPER PROC EXC MIP FCOT FEMUR A	.9339	5.3	
221	8 SURG		KNEE PROCEDURES ARE 369 AND/OR C.C.	~	8.8	•
222	ŵ	•	KNEE PROCEDURES, ACE <70 W/O	.9897	<b>9.</b>	
223	<b>a</b> v		ITY PROC EXC HUMERUS + MAME AGE >69 A	1.0723	6.9	
224	•	٠.	UPPER EXTREMITY PROC EXC HUPERUS + PAND AGE <7C &/	.8952	9.6	
223	•		FOOT PROCEDURES	•	8.4	
	MEDPAS 0	DAIA N	D BY DATA FROM MERYLAND AND MICHIGAN F	IE DRGS.		
		2	1 - 1 2 LVTL LIP LC ICHPT - L 1 - TL LIP II - FVALES 201 GLISSGIGS			
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229	B SURG	HAND PROCEDURES EXCEPT GANGLION	8665	4.60	- 61
230	B SURG	LCCAL EXCISION + REMOVAL OF INT FIX DEVICES OF HIP +	1.3594	8.8	
231	S SURG	LCCAL EXCISION . PEPOYAL OF INT FIX DEVICES EXCE	9519	5.3	. 56
232	SURS	BRITAOSCOPY	5065	•	15
233	SURG SURG	OTACA TUSCULOSACIET SAS + COAR TISS O.R. PROC 265 V64 +/	1.7737	13.1	200
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233	ю (	THE PROPERTY OF THE PROPERTY O	1.7586	13.6	e p
236		THE CONTRACTOR OF THE PROPERTY	. CORO.	11.9	
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239	, <b>e</b>	PA.MOLOGICAL PRACTURES + BUSCULOSKELFTAL +	1000		
240		CONNECTIVE TISSUE DISORDERS AGE 269 AND/OR C.C.	0010	9.8	29
241	034 8	CONNECTIVE TISSUE DISORDERS AGE ATE W/O C.C.	9040	5 es	28
242		SEPTIC ARTERITIE	1.5883	11.2	33
243	B MER .	PEDICAL BACK PACBLESS		7.5	28
244	. 03 4 8	BONE DISEASES + SEPTIC ARTHROPATHY AGE 369 AND/OR	.7792	7.9	28
242	8 MED :	PONE DISEASES + SEPTIC ARTHROPATHY AGE <70	.7177	6.3	26
. 9 .		FOR SPECIFIC BRITHOPASTICS	.7147	9 • 9	27
247		SIGNS + SYPROM	•6559		<b>56</b>
8		STATISTON OF STATISTICS OF STA	.5136	•	
, e		THE STATE OF THE STATE OF THE STATES A COMMECTIVE TISSUE	1.0203	. ·	82
, v		THE STATE OF THE POST OF THE PROPERTY OF THE POST OF THE PROPERTY OF THE POST	B261		56
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255	E PEO 2	* FX**SPRNS*SMRRS + FIST OF UPARESICATIO EX FOOT AGE G-17	.4687	2.9	51
256	8 110	CTHER DIRENDSES OF PUSCULCSKELETAL SYSTEP + CCARECTI	.8766		27
257	. 9 SURG	TOTAL PASTECTORY FOR FALTENANCY AGE 369 AND/OR C.C.	1.1065	6.6	23
258	4 8646	TOTAL MASTECTOMY FOR MALIENANCY AGE 470 W/O C.C.	1.0723	••	21
259	8 SCR	SURTOTAL PASTECTORY FOR KALIGNANCY AGE 269 AN	1.0141	1.0	27
260	DEDS F	SCHOOLS PASTECTORY FOR TALIGNANCY AGE ATO		9.9	<b>9</b> :
192	2000	THE PROPERTY OF THE PROPERTY O	•7329		-
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269	9 5046	THE DESCRIPTION OF SUCCESSION STATES AND SECURITIES OF SUCCESSIONS	10220		•6
266	9 8046	AND CALLED THE CONTROL OF STATE OF THE CONTROL OF THE STATE OF THE CONTROL OF THE	٠.		36
267	9 2046	President + Parionalist hadrens	.6113		
268	7 SC	* SAIN.SUBCLIANCOUS TISSUE + BREAST PLAS	.5388	3.0	15
269	200	CIMER SAIN. SUBCUT TISS + BREAST O.R. PROC A		5.7	56
210	2046	DIMEN SHINE SUBCEST TISS + BREAST O.R. PROC AG	×	<b>S</b>	25
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AND CAN THE MANAGEMENT OF THE PROPERTY OF THE	.5971	•	
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SO SURGE - ADREMAL - PITUITARY PROCEDURES	2.8952	•	
IN SURG SKIN GRAFTS + MOUND DEBRIDE	2.8143	22.8	
10 SURG " & C.R. PROCECURES FOR OBESITY	1.5695		
10 SURG . PARATHYROID PROCECUR	1.3736	£0.00 €0.00	•
10 SURG THYROID PROCEDURES	•6249	9•0	•
10 SURG → TFYRCGLOSCAL PRCCEDURES	6060	<b>5.9</b>	
10 SURG CIMER ENCICRING. NUTRIT + PETRO C.R. PRCC ACE > 69 +/OR	2.0307	30.0 0.0	
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10 MED ENDOCRINE DISORDERS AGE	.9731	7.8	
18 MEC ENDOCRINE DISORCEPS AGE 476 M/O C.C.	.8143	9.9	
11 SURG KIDNEY TRANSPLANT	£.6322	24.1	
11 SURG MIDREY-URETER + MAJOR BLADDER PROCEDURE FOR MEDPLASM	2.5397	16.2	
11 SURG . MIDNEY-URETER' - PAJ BLOR PROC FOR NC4-RALIG A	1.7952	12.8	
11 SURG KICKET+URCIER + WIL BLOR DROC FOR	1.7043	11.9	
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11 SCREET TREATMENT TRACTIONS AND VON AND CO. 11 SCREET AND VON AND VO	1424	9.2	
11 SURG URETHAL PROCEDURES, AGE 18-69 M/O C	.6897	5.1	
11 SURG . URETHRAL FRCCEDURES. AGE 0-17	.4368	2.3	:
11 SURG . CIPER KICHEY + URINARY	2.4884	<b>9.6</b>	•

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262		•	ITEKRUPTION.	.3126	•	-,
363			RADIO-IMPLANT. FOR MALIGNARCY	•6516	£.4	e.
364			CEPT FOR MALIGRANCY	.4028	2.6	•
365			TIVE SYS	1.7965	12.7	3,5
366			PRODUCTIVE SYSTEM		5.5	
367			PRODUCTIVE SYSTEM AGE <70	.5786	20.5	20
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398			AL + THRUNITY DISCROERS AGE 369 AND/OR C.C.	.8960	641	26
399		٠.	IMPLAITY CISCREERS AGE 47C	<b>6948</b>	5.6.	- 3¢
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<b>2</b> 6.	11	•	WITH MINOR D.R. PROCEDURE	1.1316	7.1	27
4.73		-	AGE 565 ANC/	1.1715	7.1	27
<b>†</b> 0 <b>†</b>		٠.	FIA AGE 18-59 W/O C.C.	1.1787	9.9	26
4.75		•	_	1.0517	6.4	25
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